

# Professional Transportation Bulletin

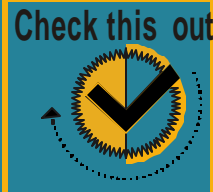
PTB 172

May 1, 2014

**Statements of Interest are due before 12:00 p.m.  
on May 22, 2014  
Selection Date: July 23, 2014**



**Help?**  
INFORMATION



**Illinois Department of Transportation**  
2300 South Dirksen Parkway, Springfield, Illinois 62764

# IMPORTANT NOTICE PROFESSIONAL TRANSPORTATION BULLETIN REVISIONS

**Selection Date: July 23, 2014**

The following revisions have been made to this Professional Transportation Bulletin. If you downloaded the bulletin prior to the noted revision date, you should incorporate the revisions or download and use a new copy of the bulletin.

REVISION DATE: There are no revisions as of May 1, 2014.

## **State Of Illinois Contact Information**

Department Of Transportation  
2300 South Dirksen Parkway  
Springfield, Illinois 62764

The Transportation Bulletin is the official Illinois Procurement Bulletin for the Illinois Department of Transportation as authorized by Section 15-1 of the Illinois Procurement Code, 30 ILCS 500/15-1. It is available on **IDOT's WEBSITE** at <http://www.dot.il.gov>.

### **Professional Transportation Bulletin**

The Professional Transportation Bulletin Contains information pertaining to the advertisement for offers of interest for professional services for Department of Transportation projects.

Questions concerning this Bulletin should be directed to:

**Carrie Kowalski**

**Consultant Unit Chief**

E-mail: [Carrie.Kowalski@illinois.gov](mailto:Carrie.Kowalski@illinois.gov) Phone: 217-782-6916

Or mailing address:

Bureau of Design and Environment  
2300 South Dirksen Parkway  
Attn: Consultant Unit  
Room 330  
Springfield, IL 62764

Regional/District Contact information.

#### **Region 1**

##### **District 1**

Mr. John Fortmann  
201 West Center Court  
Schaumburg, IL 60196

#### **Region 2**

##### **District 2**

Mr. Paul Loete  
819 Depot Avenue  
Dixon, IL 61021

##### **District 3**

Mr. Paul Loete  
700 East Norris Drive  
P.O. Box 697  
Ottawa, IL 61350

#### **Region 3**

##### **District 4**

Mr. Kensil Garnett  
401 Main Street  
Peoria, IL 61602

##### **District 5**

Mr. Kensil Garnett  
Route 133 West  
P.O. Box 610  
Paris, IL 61944

#### **Region 4**

##### **District 6**

Mr. Roger Driskell  
126 East Ash St.  
Springfield, IL 62704

##### **District 7**

Mr. Roger Driskell  
400 West Wabash  
Effingham, IL 62401

#### **Region 5**

Mr. Jeffrey Keirn

##### **District 8**

1102 Eastport Plaza  
Drive  
Collinsville, IL 62234

Mr. Jeffrey Keirn

##### **District 9**

State Transportation Building  
P.O. Box 100  
Carbondale, IL 62903

# Tentative Schedule For Professional Transportation Bulletins

ACTIVITY	PTB 173	PTB 174	PTB 175	PTB 176	PTB 177	PTB 178
PUBLISH PTB	08-07-14	11-06-14	02-05-15	05-07-15	8-06-15	11-05-15
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SELECTION MEETING	10-22-14	1-28-15	4-22-15	7-22-15	10-21-15	1-27-16

**\*\*\* STATEMENTS OF INTEREST FOR THE CURRENT PTB MUST BE RECEIVED BETWEEN, Publish Date 5-01-14 & 5-22-14 (12:00 P.M. NOON)**

**STATEMENTS OF INTEREST RECEIVED AFTER 12:00 P.M. WILL NOT BE CONSIDERED**

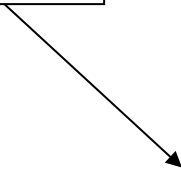
Only SUBMITTALS through EPAS will be considered for Professional Transportation Bulletins.

# NOTICE

Proposed Negotiation Meeting information for Items will be available at the following link: <http://www.dot.il.gov/dobuisns.html>

## Consultant Services

Link for  
negotiation  
information



[CECS and Supporting Documents](#) **New**  
[Consultant Forms](#)  
[Consultant Mentor Protégé Program](#)  
[Consultant Prequalification](#) **New**  
[Consultants Professional Transportation Bulletins](#)  
[Engineering Prequalification and Agreement Letter from Secretary](#)  
[Facility Cost of Capital Rates](#)  
[Federal Mileage Reimbursement Rates \(for existing contracts with CONUS\)](#)  
[Frequently Asked Questions](#)  
[IDOT CADD Support](#)  
[Negotiation Information for Current Bulletin](#)  
[Prequalification Enhancement Committee](#)  
[Professional Transportation Bulletin Schedule](#)  
[Standard Agreement Provisions for Consultants](#)  
[Uniform Audit and Accounting Guide](#)  
[Vendor Documents System](#)

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    - District 1
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# NOTICE

## PTB 172

Professional Transportation Bulletin 172 was originally scheduled for selection on July 16, 2014.

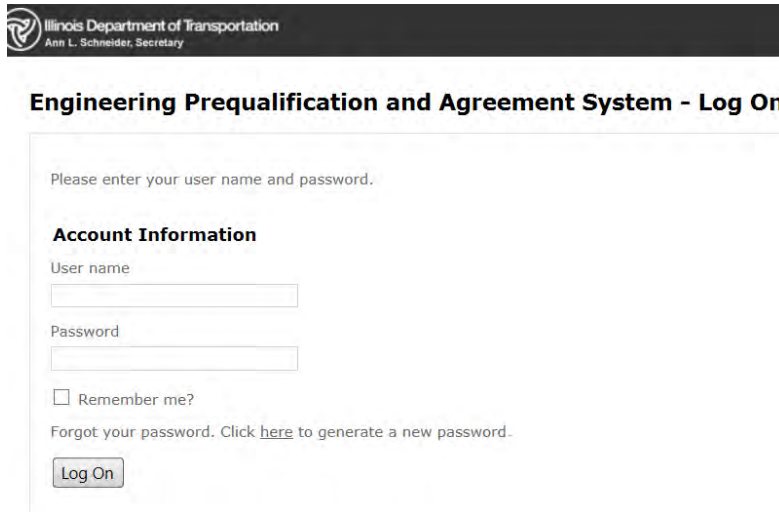
Selection is now scheduled for July 23, 2014.

# NOTICE

May 1, 2014

Review the Latest News Information Located on EPAS.

Log on to EPAS at <https://apps.dot.illinois.gov/EPAS/>



The screenshot shows the login interface for the Engineering Prequalification and Agreement System (EPAS). At the top is the Illinois Department of Transportation logo and the name of the Secretary, Ann L. Schneider. Below this is the title "Engineering Prequalification and Agreement System - Log On". The main area contains a prompt to enter a username and password, followed by input fields for "User name" and "Password". There is a "Remember me?" checkbox and a link to "Forgot your password". A "Log On" button is at the bottom.

Select News:



This is the current new information:



- + Reminder for firm's with a fiscal year ending 12-31-13, the Firm's New or Renew SEFC is due by June 30, 2014. Remember the application status must say, "Submitted" if it says, "In Progress" it is in the firm's work queue; it has not been submitted. Review the EPAS instruction manual on the web site. [Click here](#)
- + The Description & Minimum Requirements have been updated by adding Wildlife Studies to the Airport Planning & Special Services Category. [Click here](#)
- + The EPAS instruction manual has been revised. A report has been added which will give an overview of the use of your firm's EPAS account. There is also an additional function on the staff page, which shows all prequalification categories a staff person is being used for in SEFC prequalification categories. [Click here](#)

# Notice for Teaming Clarification

5-1-14

The Joint Venture terminology is no longer being used. We are still allowing the practice of multiple firms joining efforts (prequalification categories and staff) to submit as a prime on a Professional Transportation Bulletin. Only the name has changed. The term Teaming is now used instead of Joint Venture. The Name Change is the only change.

The action of joining forces with another consultant to submit on a Professional Transportation Bulletin is now called Teaming. All policies and procedures referring to Joint Venture still apply with Teaming as the new name of the effort.

When submitting as a team, the collective prequalifications of the team are used to determine eligibility. When a Team is selected, negotiations proceed with the Team. Contracts are executed with the Team at the end of successful negotiations.

Statements submitted by Teams may be considered unless specifically prohibited in the advertisement. The Team Agreement is signed by all parties and must be included with the statement of interest.

The Team entity will have the sum of the individual firms' prequalification, capacity and evaluation history. IDOT **DOES NOT** have a form for Team agreements. The firms submitting as a Team are required to obtain and submit the Team agreement.

If a firm is submitting as part of a Team, then the firm may not submit as a prime alone or as part of another Team on the same item. The required insurance coverage applies to the Team entity. Each individual firm's current obligations (work left), delinquent debt, Iran disclosure, and disclosure forms A&B must be completed by each of the team members.

The Team entity will submit one statement of interest with the following specified:

- The firm managing the Team/Project, i.e. the lead firm;
- The Firm invoicing (typically the lead firm);
- The firm responsible for each prequalification category (must be prequalified in the category of work the firm is performing);
- Key personnel names with firm name on Exhibit A.

Teams can be submitted through EPAS. The firm's interested in performing as a Team must coordinate with each other and submit through EPAS. The lead firm should submit the Team Agreement and the Team entities must submit the required forms. See the EPAS Instruction manual.

Review the EPAS Instruction Manual for details on submitting Statements of Interest through Teaming: <http://www.dot.il.gov/desenv/preqcons.html>



# Introduction

**STATE OF ILLINOIS**  
Department of Transportation  
2300 South Dirksen Parkway  
Springfield, Illinois 62764

## **PROFESSIONAL TRANSPORTATION BULLETIN #172** **Publish May 1, 2014**

This bulletin is the official notice of needed professional services for the Illinois Department of Transportation (IDOT).

This bulletin is sent to each professional consultant on IDOT's prequalified list. A Professional firm who is not prequalified may obtain the necessary information and forms to become prequalified from the INTERNET at: <http://www.dot.gov.il/Doing Business/Consultant Services/Consultant Prequalification>.

This is not an invitation for bids. Firms properly prequalified for any of the projects listed herein may indicate their desire to be considered for selection by submitting a Statement of Interest for the project through the Engineering and Prequalification Agreement System (EPAS).

IDOT shall not discriminate based on race, color, national origin, or sex in the award and performance of any DOT-assisted contract or in the administration of its DBE Program or the requirements of 49 CFR part 26. IDOT shall take all necessary and reasonable steps under 49 CFR part 26 to ensure nondiscrimination in the award and administration of DOT-assisted contracts.

**STATEMENTS MUST BE RECEIVED BY THE BUREAU OF DESIGN AND ENVIRONMENT, VIA EPAS, PRIOR TO 12:00 P.M. LOCAL TIME, May 22, 2014. STATEMENTS RECEIVED AFTER THIS TIME WILL NOT BE CONSIDERED.**

The selection of professional consultants by IDOT is not based on competitive bidding but on the firm's professional qualifications, experience, and expertise of key personnel to be assigned to the project with consideration also given to:

- 1) Ability to complete the work in the time required and the firm's existing workload.
- 2) The firm's proximity to the project, when important.
- 3) Extent of work, which must be subcontracted by the firm and their proposed method of accomplishing the project objectives.
- 4) Financial evaluation of the firm and its accounting methods.
- 5) Performance rating for past work done for IDOT, if applicable.

All members of the Consultant Selection Committee will be **unavailable** to discuss specifics of projects listed herein during the two-week period preceding the Selection Committee Meeting.

Departmental procedures ensure that all members of the Consultant Selection Committee are provided with detailed information concerning all Statements of Interest submitted by all consultants. Please do not send letters and/or e-mails expressing your interest in various projects and/or correspondence concerning your firm to members of the Consultant Selection Committee.

# Information for Submitting Statements of Interest (SOI)

The firm acting as the prime must be prequalified in all of the prequalification categories requested in the project advertisement even if they plan to subcontract part of the project, except where noted in a specific project advertisement. Any work being done by a consultant, prime or sub must be prequalified in the IDOT prequalification category of work they are performing.

Prequalified firms may indicate their desire to be considered for selection on any of the projects listed herein by submitting a separate Statement of Interest (SOI) for each project.

All interested firms must submit through the Engineering Prequalification and Agreement System (EPAS). This includes specialty firms, for items in the Professional Transportation Bulletin that do not have prequalification categories, ie firms not prequalified in the established prequalification categories; typical items are painting, manual rewrites, steel fabrication inspection, specific testing, etc. These firms must contact [Carrie.Kowalski@illinois.gov](mailto:Carrie.Kowalski@illinois.gov) to establish and account.

The instructions for using EPAS are located on the IDOT Website under Doing Business, Consultant Services, Consultant Prequalification, EPAS Instruction Manual: <http://www.dot.il.gov/desenv/preqcons.html>

Information to consider when submitting:

- A brief statement of the firm's interest in performing the work. (Should be concise to the point, suggest approximately 2 pages)
- Color graphics/photographs, charts, graphs etc. can be used at your discretion. Make applicable to the requested advertisement.
- **Exhibit A** is used to give a snap shot of the firm's proposed staff as follows:
  - List the required key personnel to match required prequalification categories and any additional personnel requirements designated in the project advertisement. (Include firm name if work is to be completed by Subconsultant)
  - QC/QA personnel must be different individuals than the staffing, which prepared the documents.
  - Attach resumes of all key personnel listed in the SOI. It is recommended that individual resumes should not exceed two pages and must be relevant to the expertise required for the specific project.
  - Designate the estimated time required to complete the project using the personnel presented. A completion date and/or number of months to complete the project should also be provided.
  - Identify proposed subconsultants, item(s) of work they will perform, and the estimated % of work. If a DBE Goal is in the advertisement list the DBE subconsultant(s), work the firm will be performing, and estimated % of the work. All Subconsultants must be prequalified in the area of work they will be performing.
  - Include Mentor Protégé data if participating.

# Information for Submitting Statements of Interest (SOI)

- **Exhibit B** is required for Projects involving Location Design Studies (Reconstruction/Major Rehabilitation and New Construction/Major Reconstruction) and all Environmental Reports (Environmental Assessment and Environmental Impact Statements) EPAS prompts the user to complete form B when it is required.
- Experience of the staff or firm in accomplishing similar types of work should be shown for only the most recent projects and should be concise and relevant to the expertise required for the specific project. If there are several projects with the same work completed, then one summary would be adequate with each location and the project manager noted for each. This information should be shown at the end of the SOI.
- In addition to the above requirements, any other information specifically requested in the project advertisement should also be included in the submittal.
- The Current Obligation's information is an on line application in EPAS. It must be completed before you submit the Statements of Interest.
- Instructions for completing Disclosure **Forms A** and **B** are included on pages 1 and 2 immediately preceding **Forms A** and **B**. Disclosure The Disclosure Forms are a separate document and one set for each prime is submitted. In addition, **Form B** should not include IDOT projects, since this information is already included in the **Current Obligations**.
- The Delinquent Debt is generated in the EPAS system and is submitted as a separate document. Only one document, for prime and subconsultants, with all pertinent data is required. Instructions are included with the Delinquent Debt.
- The Disclosure of Business Operations in Iran is also a separate document. Only one document for each prime is required. Instructions are included at the bottom of the Disclosure of Business Operations in Iran document.
- Exhibit A, Exhibit B (when applicable), the Current Obligations, Disclosures A & B, Delinquent Debt Certification, and Disclosure of Business Operations in Iran are required to be considered.

**Note: Actual signatures are required on the documents. Documents without actual signatures will be returned.**

PROFESSIONAL TRANSPORTATION BULLETIN  
REQUIRED FORMS  
FOR  
STATEMENT OF INTEREST SUBMITTAL

The information in all forms is required as part of all Statement of Interest submittals. The New EPAS application has the ability to include all the required information. Some forms are attached, some data is entered into EPAS directly to generate the data for the form, and some data is entered directly and replaces the form. There is an EPAS Instruction Manual for your use and can be used when completing the SOI in EPAS.

Please review the EPAS manual instructions for the submittal process.

<http://www.dot.il.gov/desenv/preqcons.html>

The BDE Current Obligations is completed in EPAS; it is not a separate document. The Delinquent Debt is generated in EPAS based on the Statements of Interest applications. The Disclosure forms A & B are submitted via EPAS. The form is required to be completed and attached separately and then attached in the EPAS Application. BDE Forms are also located at <http://www.dot.il.gov/desenv/deform.html>

**All signatures are required to be actual signatures.**

**Forms without an actual signature will be returned.**

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1.	Cook	Job No. C-91-192-14, I-55 (Stevenson Expressway): I-94 (Dan Ryan Expressway) to US 41 (Lake Shore Drive), Phase III Project
2.	Various	Job No. C-91-353-14, Various Quality Assurance for PCC & HMA Projects, Phase III Project
3.	Will	Job No. C-91-358-14, US 6, Phase III Project
4.	Will	Job No. C-91-362-14, Illiana Expressway: I-55 (Will Co) to I-65 (Indiana), Phase III Project
5.	Various	Job No. D-91-323-14, Various Traffic Signal Coordination and Timing (SCAT) Projects, Phase II
6.	Various	Job No. D-91-333-14, Various Phase II Traffic Signal Design Projects
7.	Various	Job No. D-91-335-14, Various Land Survey Projects
8.	Various	Job No. D-91-354-14, Various ITS and Electrical Projects, Phase II Projects
9.	Various	Job No. D-91-355-14, Various Lighting and Electrical Phase II Projects
10.	Various	Job No. D-91-369-14, Various Phase II Projects
11.	Various	Job No. P-91-318-14, Various Survey Projects
12.	Various	Job No. P-91-356-14, Various Phase I Projects
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14.	Various	Job No. C-92-034-14, Various Phase III Projects
15.	Various	Job No. C-93-035-14, QA PCC Various projects
16.	Various	Job No. P-92-018-14, Various Survey Projects
17.	Various	Job No. P-92-020-14, Various Phase I/II Projects
18.	Various	Job No. P-92-021-14, Various Phase I/II Projects
<b><u>Region 2/District 3</u></b>		
19.	Various	Job No. C-93-109-14, Various Phase III Projects

<u>Item #</u>	<u>County</u>	<u>Description</u>
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**Region 3/District 4**

- |     |          |   |
|-----|----------|---|
| 20. | Marshall | Job No. C-94-084-14, FAP 698 (IL 89), construction Inspection for Removal and Replacement of Structure carrying IL 89 over B.N.S.F. R.R. and Crow Creek |
|-----|----------|---|

**Region 5/District 8**

- |     |           |   |
|-----|-----------|---|
| 21. | St. Clair | Job No. C-98-022-11, 157 over St. Clair Ave., Metro-link & Schoenberger Creek, Phase III  |
| 22. | St. Clair | Job No. P-98-038-13 & D-98-038-13, FAP 799 (MLK Drive), Replacement of Structure Located on Martin Luther King ramps, I-70 WB at Missouri Ave. & RR, 0.7 miles east of the Mississippi River, in East St. Louis, Phase I/II Project |
| 23. | Various   | Job No. P-98-045-14/D-98-045-14 Local Roads Project Management  |

**Bureau of Bridges and Structures**

- |     |         |  |
|-----|---------|--|
| 24. | Various | Job No. P-30-008-14, Various Phase I/II Engineering for Structure Projects Statewide |
| 25. | Various | Job No. P-30-012-14, Various Phase I/II Engineering for Structure Projects Statewide |

**Bureau of Construction**

- |     |         |   |
|-----|---------|---|
| 26. | Various | Job No. HPR-66-001-14, Training class development and implementation for the Specific Task Training Program |
|-----|---------|---|

**Bureau Of Design & Environment**

- |     |         |  |
|-----|---------|--|
| 27. | Various | Job No. P-30-010-14, Various Statewide Waste Assessments, Studies and Designs, Statewide |
| 28. | Various | Job No. P-30-011-14, Various Statewide Noise and Vibration                               |

**Bureau Of Operations**

- |     |         |   |
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| 29. | Various | Job No. D-60-031-15, Traffic Signal Coordination and Timing (SCAT), Various Projects  |
| 30. | Various | Job No. D-60-032-15, Traffic Signal Coordination and Timing (SCAT), Various Projects  |
| 31. | Various | Job No. D-60-033-15, Statewide Sign Structure Inspection, Various Projects            |
| 32. | Various | Job No D-60-034-15, District 1 Sign and Tower Structure Inspections, Various Projects |

1. **Job No. C-91-192-14, I-55 (Stevenson Expressway): I-94 (Dan Ryan Expressway) to US 41 (Lake Shore Drive), Phase III Project, Cook County, Region One/District One.**

**This project requires 25% DBE participation.**

The **Complexity Factor** for this project is **0.035**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **July 28, 2014 at 9:00 A.M.** at the Region One/District One Office in **Schaumburg**.

Phase III engineering is required to provide construction inspection services for the improvement I-55 (Stevenson Expy.), I-94 (Dan Ryan Expy.) to US 41 (Lake Shore Dr.). Work includes, but is not limited to, total reconstruction of the three outbound bridge structures (2 curved girders structures and one tangent structure) at the I-55 (Stevenson Expressway) and US 41 (Lake Shore Drive) interchange including realignment of the structures and widening. The approach roadway will be reconstructed to match the proposed bridge reconstruction widths, geometrics and elevations within the project limits along US 41 and I-55. Lighting of the interchange will be provided as well as traffic surveillance, signing, underpass lighting, and ITS work. Three new proposed concrete retaining walls will be provided at SB I-55, Ramp SW, and Ramp NW. All incidental and collateral work necessary to complete the improvement is required.

The following structures may be included:

S.N. 016-1501: I-55 WB Bridge – Outbound over MLK Drive  
S.N.016-1504: US 41 (Lake Shore Drive) SB to WB I-55 Bridge  
S.N.016-1505: NB US 41 (Lake Shore Drive) to WB I-55 Flyover Bridge  
S.N.016-0741: SB I-55 Outbound Retaining Wall  
S.N.016-0745: Ramp SW Outbound Retaining Wall  
S.N. 016-0746: Ramp NW Outbound Retaining Wall  
S.N. 016-0780: Moe Drive Outbound Retaining Wall

The department will furnish the Consultant with Plans and Specifications.

Quality Assurance (QA) oversight and Contractor's Quality Control (QC) by the same Consultant or one of their subconsultants on the same project or on material coming in from the same plant are prohibited. At the negotiation meeting, the prime Consultant and the subconsultant(s) will disclose all previous involvement in the district as well as current relationships with contractors.

The Consultant's work includes, but is not limited to, providing staff, vehicles, and appropriate test equipment necessary to complete this project. The Consultant will furnish a Liaison engineer and an adequate staff to perform the duties required to fulfill the engineering requirements in accordance with the departmental policies.

The Consultant will provide tools of the trade. These tools will include an office computer system capable of running ICORS software. The Consultant will perform on-site inspection, layout including design changes, provide construction layout when not provided for in the contract plans, provide geotechnical inspection and testing, prepare records, maintain documentation,

submit pay estimates, change orders and any other duties that would require the services of an engineer to complete this project on a timely basis and in accordance with State specifications.

The anticipated construction completion date for this contract is August 31, 2016 plus 10 working days. The Consultant must complete and submit final measurements, calculations, and final contract record documents to the department no later than six (6) weeks after the completion of the project.

Key personnel listed on **Exhibit A** for this project must include:

- The Liaison Engineer (An Illinois Licensed Professional Engineer is desired)
- The Assistant Engineer.
- The Document Technician. (The person actively performing the documentation on the project must possess a current IDOT Construction Documentation certificate and must be ICORS trained. **Include the Documentation Certificate Number for IDOT Documentation of Contract Quantities**)
- The Materials Coordinator (RE Materials Training class is preferred)
- The Materials QA Technician. (The person shall have a Level II HMA and PCC training and IDOT class S-33, Soil Testing)
- Materials Laboratory (prequalified in QA HMA & Aggregate and QA PCC & Aggregate)
- The Survey Chief.

The prime firm must be prequalified in the **Special Services (Construction Inspection)** category to be considered for this project.

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).



2. **Job No. C-91-353-14, Various Quality Assurance for PCC & HMA Projects, Phase III, Various Routes, Various Counties, Region One, District One**

**This project requires 20% DBE participation.**

The **Complexity Factor** for this project is **0.035**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **July 30, 2014 at 10:00 A.M.** at the Region One, District One Office in **Schaumburg**.

Phase III engineering services are required to perform the quality assurance responsibilities of hot-mix asphalt (HMA), Portland cement concrete (PCC) construction, Aggregate Gradation Control System (AGCS), Recycled Asphalt Paving (RAP) testing, Recycled Asphalt Shingles (RAS) testing, pipe and precast producers and prestressed and precast producers. Services and responsibilities include structural steel and miscellaneous materials inspection at various sources or jobsites, Independent Assurance sampling and testing for the department for both HMA and PCC according to Federal guidelines at both plants and jobsites on an as-needed basis. Additional services and responsibilities include quality assurance inspection of prestressed and precast producers at both plants and jobsites on an as-needed basis. The project includes Complete Quality Assurance Testing in accordance with The Standard Specifications for Road and Bridge Construction, *Manual for Fabrication of Precast Prestressed Concrete Products*, Policy Memorandums 11-08.2, 19-08.1, 25-08.5, 28-10.3 and any appropriate contract special provisions and plan notes or details. Work orders under the blanket agreement will be negotiated and authorized by the department on an as-needed basis.

The department will furnish the Consultant with daily assignments to various construction jobsites, bituminous or concrete plants, quarry field offices, District Lab facilities and pre-stressed and precast facilities and various producers and suppliers of structural steel and miscellaneous materials.

The Consultant's work includes plant and on-site inspections, sampling and material testing. The Consultant will carry out quality assurance duties as defined in the construction contract, *Manual for Fabrication of Precast Prestressed Concrete Products*, Policy Memorandums 11-08.2, 19-08.1, 25-08.5, 28-10.3 and the Consultant agreement. The Consultant will maintain records and submit documentation of QC and QA activities required by the construction contract, *Manual for Fabrication of Precast Prestressed Concrete Products*, Policy Memorandums 11-08.2, 19-08.1, 25-08.5, 28-10.3.

The completion date for this contract will be 36 months after authorization to proceed.

Key personnel listed on **Exhibit A** for this project must include:

- The Liaison Engineer who will assume duties as Project Manager for all aspects of the work (must be an Illinois Licensed Professional Engineer).
- The person(s) who will be in charge of QA Lab and Field Testing.
- QC/QA Level 1, Level 2 and Level 3 (HMA and PCC) Certified Testing Technicians.

- ACI Grade 1 and PCI Level 1 and Level 2 Certified Testing Technicians.
- The Materials QA Technician.
- Structural Steel and Miscellaneous Materials Source Inspector
- The Document Technician. (The person actively performing the documentation on the project must possess a current IDOT Construction Documentation certificate. **Include the Documentation Certificate Number for IDOT Class.**

The prime firm must be prequalified in the following categories to be considered for this project:

**Special Services (Quality Assurance: QA HMA and Aggregate)**

**Special Services (Quality Assurance: QA PCC and Aggregate)**

The resumes of the key people noted above must include Certificates of completion for required training courses.

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).

3. **Job No. C-91-358-14, I-55 at US 6, Phase III Project, Will County, Region One/District One.**

**This project requires 25% DBE participation.**

The **Complexity Factor** for this project is **0.035**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **July 28, 2014**, at **10:00 A.M.** at the Region One/District One Office in **Schaumburg**.

Phase III engineering is required to provide construction inspection services for the improvement I-55 at US 6. Work includes, but is not limited to, the widening and deck replacement of the I-55 at US 6 bridge, approach and transition pavement along US 6, widening and reconstruction of 3 ramps of the interchange, roadway drainage & infield grading, temporary and permanent roadway pavement, interchange and underpass lighting, and temporary traffic signal installations. Work will include all incidental and collateral work necessary to complete the improvement.

The following structures may be included:

- S.N. 099-0277 US 6 (Eames Street) over I-55

The department will furnish the Consultant with Plans and Specifications.

Quality Assurance (QA) oversight and Contractor's Quality Control (QC) by the same Consultant or one of their subconsultants on the same project or on material coming in from the same plant are prohibited. At the negotiation meeting, the prime Consultant and the subconsultant(s) will disclose all previous involvement in the district as well as current relationships with contractors.

The Consultant's work includes, but is not limited to, providing staff, vehicles, and appropriate test equipment necessary to complete this project. The Consultant will furnish a Liaison Engineer and an adequate staff to perform the duties required to fulfill the engineering requirements in accordance with the departmental policies.

The Consultant will provide tools of the trade. These tools will include an office computer system capable of running ICORS software. The Consultant will perform onsite inspection, layout including design changes, provide construction layout when not provided for in the contract plans, provide geotechnical inspection and testing, prepare records, maintain documentation, submit pay estimates, change orders and any other duties that would require the services of an engineer to complete this project in a timely basis and in accordance with State specifications. The anticipated construction completion date for this contract is November 30, 2015. The Consultant must complete and submit final measurements, calculations and final contract records documents to the department no later than six (6) weeks after the completion of the project.

Key personnel listed on **Exhibit A** for this project must include:

- The Liaison Engineer (An Illinois Licensed Professional Engineer is desired)
- The Assistant Engineer.

- The Document Technician. (The person actively performing the documentation on the project must possess a current IDOT Construction Documentation certificate and must be ICORS trained. **Include the Documentation Certificate Number for IDOT Documentation of Contract Quantities**)
- The Materials Coordinator (RE Materials Training class is preferred)
- The Materials QA Technician. (The person shall have a Level II HMA and PCC training and IDOT class S-33, Soil Testing)
- Materials Laboratory (prequalified in QA HMA & Aggregate and QA PCC & Aggregate)
- The Survey Chief.

The prime firm must be prequalified in the **Special Services (Construction Inspection)** category to be considered for this project.

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).

4. **Job No. C-91-362-14, Illiana Expressway: I-55 (Will Co) to I-65 (Indiana), Phase III Project, Will County, Region One/District One.**

**This project requires 25% DBE participation.**

The **Complexity Factor** for this project is **0.035**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **July 28, 2014, at 11:00 A.M.** at the Region One/District One Office in **Schaumburg**.

The department is requesting Phase III oversight services for the public private partnership project known as the Illiana Expressway. It is anticipated that the Consultant shall be responsible for review and coordination of all construction engineering, administrative functions, Independent Assurance (IA) and Owner Testing (OT). The Consultant will be expected to develop and utilize effective controls to ensure the construction of the project is performed in reasonable conformity with the Public Private Agreement (PPA).

The Consultant is expected to provide management services, which include, but are not limited to, the preliminary development of project controls, document management, reporting systems, assistance to IDOT in reviewing the various volumes of the contract documents and review of technical proposals.

Construction Oversight Services (COS) shall include but are not limited to:

- (a) Monitoring and auditing Developer and its Books and Records to determine compliance with requirements of the PPA Documents and the approved Project Management Plan including: (i) audit review of compliance with quality procedures and processes under the Quality Management Plan, (ii) audit review of Design Documents, Plans, Construction Documents, field work plans, land surveys, mapping, other data collection tasks, other Submittals and other Books and Records, and (iii) audit of performance of the activities set forth in the Public Involvement Plan.
- (b) Review of the work of Developer's Environmental Compliance Manager for compliance with the Environmental Compliance and Mitigation Plan, and (iii) review of certifications that the Developer's quality control checks of final Construction Documents have been performed and documented, and that the Construction Documents conform to the requirements of the PPA Documents.
- (c) Conducting audits of all construction-related activities for the Illinois Project as needed to audit Developer's construction quality and safety control processes including: (i) auditing the services of Developer's accredited laboratories and associated testing devices and equipment, (ii) reviewing Developer's construction quality procedures including conducting limited field monitoring and inspections as needed for audit purposes of construction activities, materials, and system components, as indicated in the PPA Documents, (iii) auditing Developer's records of all materials, material tests, material certifications, and performance tests for Illinois Project systems, (iv) reviewing and investigating Illinois Project progress, Illinois Project quality, Deviations, Defects, and rectification of Non-conforming Work, and (v) conducting field monitoring and inspections in connection with IDOT's certifications of Substantial Completion and Final Acceptance.

- (d) Conducting monthly reviews of Illinois Project documentation and files as set forth in the Technical Provisions.
- (e) Conducting material tests according to IDOT's test methods to verify Developer's compliance with all testing frequencies and requirements including performance and acceptance testing set forth in the PPA Documents and the approved Project Management Plan, the accuracy of the tests, inspections and audits performed by or on behalf of Developer pursuant to the approved Quality Management Plan, and compliance of materials incorporated into the Illinois Project with the applicable requirements, conditions and standards of the PPA Documents, Governmental Approvals, the Project Management Plan and Law.
- (f) Reviewing and commenting on Submittals.
- (g) Reviewing, commenting on, and giving recommendations, objections, or exceptions regarding the Rehabilitation Work Schedule and revisions thereto as provided in Section 18.2 of the Public-Private Agreement (PPA).
- (h) Participating in meetings to discuss design progress, construction progress, Developer's quality control processes, audit activities, and other PMP issues.
- (i) Accompanying Developer on physical inspections associated with Developer's Performance Inspections, conducting its own Performance Inspections, assessing and scoring Developer's O&M Records, and assessing and scoring the condition of Elements as provided in Section 20 of the Technical Provisions.
- (j) Attending and witnessing Developer's other tests and inspections including system start-up and acceptance tests and inspections.
- (k) Reviewing Developer's certification of Record Drawings and surveys.
- (l) Auditing the Books and Records of Key Contractors to confirm compliance with this Agreement and applicable Law.
- (m) Investigating, analyzing, and reporting on Safety Compliance and performance of Safety Compliance Orders.
- (n) Monitoring and auditing Developer's detection, reporting, response times and time to achieve rectification of breaches and failures for which Non-compliance Points may be assessed. Pursuant to Public-Private Agreement (PPA), deductions or withholdings may be made from the Availability Payments for Unavailability Events and Non-compliance Events in accordance with the Public-Private Agreement (PPA).

The completion date for this contract will be 48 months after authorization to proceed.

Key personnel listed on **Exhibit A** for this project must include:

- The person who will assume the duties of the Construction Manager to develop a Business Plan for the project and to ensure processes are in place to achieve the desired results established in the Business Plan. This person shall be responsible for

coordinating and managing all COS activities in relation to this project (An Illinois Licensed Professional Engineer is desired).

- The person who will assume the duties of Construction Field Manager to review submittals for construction sequencing, constructability and efficiency, develop policies and processes to verify consistent compliance with IDOT standards and assist in development of oversight plans, management of field staff, and assure that audits are consistently performed in established time frames and frequencies, evaluate and provide recommendations for Non-Compliance issues and construction violations, prepare dashboard indicators, various tracking spreadsheets and reports, conduct progress meetings with the Quality Assurance Manager and resolve audit disagreements.
- The person who will perform the duties of Construction Contract Manager to review all submittals to assure compliance with contract requirements, the Project Management Plan, construction sequencing, constructability and efficiency; review Quality Control Plan submittal, in depth review and comment of baseline schedule submittals, coordination of subordinate personnel overseeing scheduling, assist in development of Project Coordination Plan and Quality Assurance plan; track events for time and cost impacts, track Non-compliance issues and construction violations, evaluate and monitor required self-performance by the Prime Contractor, evaluate cost and schedule impacts on extra work, evaluate notices of Claims and provide recommendations to management team, provide schedule updates, provide correspondence and legal review on all contract related material, provide feedback on potential scheduling issues and milestone progress.
- The person who will perform the duties of Administrative Manager who ensures all records are maintained properly and generate all necessary reports, verify QAM's document control is accurate and up-to-date, support in EEO Compliance reviews, and verify all EEO procedures are followed and documented in accordance with FHWA and IDOT procedure, assist in maintenance of project website, check all documentation to assure that it is accurate and up to date, attend meetings concerning project updates and distribute minutes for Progress Meeting, update monthly Business Plan, maintain all IT equipment.
- The person(s) who will perform the duties of Compliance Engineer for roadway and structures who will consolidate all field data from field staff and make recommendations regarding compliance issues and project status, prioritize audits performed by field staff based on work progress, assist construction Managers in evaluation and recommendation of non-conforming work, coordinate with Project Control Manager to obtain and ensure all staff is working with latest construction documents; review submittals, project schedules, utility plans, permits, certification packages, provide monthly status reports, upcoming work reports and summary audit reports.
- The person(s) who will perform the duties of Construction Compliance Inspectors must possess a current IDOT Construction Documentation certificate. **(Include the Documentation Certificate Number for IDOT Documentation of Contract Quantities)**
- The person(s) who will perform the duties of Environmental and Permitting Compliance Inspector.

- The person(s) who will perform the duties of Materials Technicians must have Level II HMA and PCC training and IDOT class S-33, Soil Testing and at least must have at least 1 or more person(s) with Level III HMA and PCC training.
- Materials Laboratory (prequalified in QA HMA & Aggregate and QA PCC & Aggregate and Geotechnical).

The prime firm must be prequalified in the **Special Services (Construction Inspection)** category to be considered for this project.

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).

**After all responses have been evaluated, firms may be asked to make oral presentations during the week of July 21<sup>th</sup>, 2014.**



5. **Job No. D-91-323-14, Various Traffic Signal Coordination and Timing (SCAT) Projects, Phase II, Various Routes, Various Counties, Region One, District One.**

**This project requires 10% DBE participation.**

The **Complexity Factor** for this project is **0.035**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **July 30, 2014 at 9:00 A.M.** at the Region One, District One Office in **Schaumburg**.

Phase II engineering services are required for developing traffic signal coordination and timing for various systems located in District One, responding to signal operation complaints and performing other traffic related tasks. Work orders under the blanket agreement will be negotiated and authorized by the department on an as-needed basis.

The department will furnish the Consultant with manuals, plans, and/or other pertinent available information.

The Consultant's work may include accomplishment of one or more of the following tasks per Work Order for each selected location:

- After a Work Order has been assigned, the Consultant shall have two (2) weeks to implement a functional interim Time-of-Day operation program.
- Data Collection - Field collection of traffic counts, turning movements, signal phasing, signal timings, equipment inventory, and other data needed to quantify existing operating conditions and determine signal optimization alternatives.
- Data Analysis - Unless otherwise directed by the District's Traffic Signal Engineer, the most current version of Synchro computer modeling software shall be run on the database for each of the selected locations. Recommendations for optimal signal operation plans will be generated utilizing the existing signal equipment and equipment with minor recommended enhancements using the existing signal phasing and recommendations for improving signal phasing. Engineering judgment will be used to select the final plan to be recommended for implementation.
- Implementation - The approved Time-of-Day optimization plan will be placed in operation with any necessary fine-tuning adjustments. The Traffic Responsive Program shall then be implemented and fine-tuned.
- Evaluation - A study of the effectiveness of the optimization plan shall be conducted using speed, delay, and emissions analysis software. Benefits will be reported in terms of travel delay reductions, fuel savings, and reduction of carbon monoxide emissions. Recommendations for further enhancements to the optimization plan and/or equipment modifications may be requested for locations where the operation is still unsatisfactory.
- Field observation of signal operations – Identify operational problems, suggest corrective action and provide response to the complaint.
- Assist the Department in the evaluation of traffic signal operation objectives, needs and traffic demand to determine if other signal control technologies are appropriate.
- Perform other traffic operational tasks as assigned by the District's Traffic Signal Engineer.

The completion date for this contract will be 60 months after authorization to proceed.

Key personnel listed on **Exhibit A** for this project must include:

- The person who will assume the duties of Project Manager for all aspects of the work documents (must be an Illinois Licensed Professional Engineer).
- The person who will perform the duties of Project Engineer, that individual in charge who is directly involved in the development of final reports, studies and complaint responses (must be an Illinois Licensed Professional Engineer).
- The person who will perform the work necessary to prepare traffic signal coordination and timing optimization plans.
- The person who has the necessary experience with traffic signal equipment and who will recommend equipment enhancements, implementation of the optimization plans, recommend any fine-tuning adjustments and will identify corrective action to address operational complaints.
- The person who conducts the evaluation of the optimization plans.
- The person(s) who is(are) responsible for establishing parameters for traffic adjusted operation of closed-loop signal systems, the methodology used in establishing traffic adjusted optimization, and a listing of prior traffic adjusted programs recently implemented by the individual(s). The individual(s) must demonstrate through past optimization the ability to set-up a closed-loop traffic responsive system using both volume and occupancy settings. The individual(s) must demonstrate recent District One experience in the development of traffic signal coordination and timing, utilizing the District's standard traffic controllers: Eagle/Siemens and Econolite.
- The person who will perform the QC/QA review work of all milestone submittal documents.

Statements of interest must also include the Consultants' relevant District One SCAT projects, do not list more than 10 projects, completed by the firm within the past 5 years by members of the Consultant's current key personnel listed above.

The prime firm must be prequalified in the **Special Studies [Signal Coordination & Timing (SCAT)]** category to be considered for this project.

Statements of Interest, including resumes of key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).

6. **Job No. D-91-333-14, Various Phase II Traffic Signal Design Projects, Various Routes, Various Counties, Region One/District One.**

**This project requires 15% DBE participation.**

The **Complexity Factor** for this project is **0**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **August 4, 2014 at 9:00 A.M.** at the Region One/District One Office in **Schaumburg**.

Phase II engineering services are required but not limited to all work associated with the complete preparation of plans, special provisions and estimates for traffic signal projects throughout District One. The proposed projects may consist of installation of new traffic signals, modifications and modernization of existing traffic signal systems, including temporary signal and system interconnect design. Project work is also expected to include site inspections, field measurements, performing all design functions and calculations, including time space diagrams where traffic signals will be interconnected. Traffic signal design shall conform to current issues of the following: State Standard Specifications, MUTCD for streets and highways, and all applicable NEC, NEMA, AASHTO, FHWA and District 1 Standards and Guidelines. Work orders under the blanket agreement will be negotiated and authorized by the department on an as needed basis. Work for this project may be in English or metric units.

The department will furnish the Consultant with any available project reports; existing plans, existing and proposed traffic volume, accident data and topo-survey when available.

The estimated construction cost for these projects may range from \$50,000 to \$2,000,000. The completion date for this contract will be 36 months after authorization to proceed.

Key personnel listed on **Exhibit A** for this project must include:

- The person who will assume the duties of Project Manager for all aspects of the work documents (must be an Illinois Licensed Professional Engineer).
- The person who will perform the duties of Project Engineer, that individual in charge who is directly involved in the development of the contract documents (must be an Illinois Licensed Professional Engineer).
- The person who will perform the duties of Traffic Signal Engineer, that individual who is directly involved in traffic signal design, modification and modernization. The Traffic Signal Engineer shall have working knowledge and extensive experience in traffic signal design and operation in IDOT Region One/District One (must be an Illinois Licensed Professional Engineer).
- The person who will perform the QC/QA review work of all milestone submittal documents (must be an Illinois Licensed Professional Engineer).

Statements of Interest must also include the Consultant's relevant traffic signal projects completed by the firm for IDOT Region One/District One within the past five years by the key staff members listed in the Statement of Interest. Do not include more than 10 completed applicable traffic signal projects.

The prime firm must be prequalified in the **Special Plans (Traffic Signals)** category to be considered for this project.

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).

7. **Job No. D-91-335-14, Various Land Survey Projects, Various Routes, Various Counties, Region One/District One**

**This project requires 20% DBE participation.**

The **Complexity Factor** for this project is **0**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **July 28, 2014 at 10:00 A.M.** at the Region One/District One Office in **Schaumburg**.

Phase II engineering services are required for various surveying projects throughout District One. Work orders under the blanket agreement will be negotiated and authorized by the department on an as-needed basis.

The department will furnish the Consultant with alignment data, title reports, existing right-of-way plats, and proposed right-of-way requirements as each work order is negotiated.

The Consultant's work includes field and office resources to prepare statutory plats of highway, legal descriptions, and field staking in accordance with the department's Land Acquisition Manual and District One procedures. Some GIS and database work may also be required.

The completion date for this contract will be 24 months after authorization to proceed.

Key personnel listed on **Exhibit A** for this project must include:

- The person who will assume the duties of Project Manager for all aspects of the work (must be an Illinois Licensed Professional Land Surveyor).
- The person who will perform the QA/QC review work of all milestone submittals (must be an Illinois Licensed Professional Land Surveyor.)

The prime firm must be prequalified in the **Special Services (Surveying)** category to be considered for this project.

Statements of Interest, including resumes of the key people noted above, must be submitted electronically, using the Engineering Prequalification and Agreement System (EPAS), to the Central Bureau of Design and Environment.

8. **Job No. D-91-354-14, Various ITS and Electrical Projects, Phase II Projects, Various Routes, Various Counties, Region One/District One.**

**This project requires 10% DBE participation.**

The **Complexity Factor** for this project is **0**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **July 30, 2014 at 1:00 P.M.** at the Region One/District One Office in **Schaumburg**.

Phase II engineering services and all work associated with the complete preparation of plans, specifications, and estimates for Intelligent Traffic Systems (ITS) and electrical engineering at locations throughout District One. Work may be for new and/or upgrading and modernizing existing equipment to current IES, NEC, AASHTO, FHWA, FAA, and IDOT District One standard and other duties as assigned. Work orders under the blanket agreement will be negotiated and authorized by the department on an as needed basis.

The completion date for this contract will be 24 months after authorization to proceed.

Key personnel listed on **Exhibit A** for this project must include:

- The person who will assume the duties of Project Manager for all aspects of the work (must be an Illinois Licensed Professional Engineer).
- The person(s) who will perform the ITS work (must be an Illinois Licensed Professional Engineer).
- The person who will perform the QA/QC review work of all milestone submittals (must be an Illinois Licensed Professional Engineer.)

Consultants are also required to furnish ITS projects (no more than 10) done in the last five years, by key staff listed above.

The prime firm must be prequalified in the **Special Services (Electrical Engineering)** category to be considered for this Project.

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).

9. **Job No. D-91-355-14. Various Lighting and Electrical Phase II Projects, Various Routes, Various Counties, Region One/District One.**

**This project requires 10% DBE participation.**

The **Complexity Factor** for this project is **0**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **July 30, 2014 at 11:00 A.M.** at the Region One/District One Office in **Schaumburg**.

Phase II engineering services and all work associated with the complete preparation of PS&E for roadway lighting and electrical engineering at locations throughout District One. Work can be a combination of new and/or upgrading and modernizing existing equipment to current IES, NEC, AASHTO, FHWA, FAA, and IDOT District One standard and other duties as assigned. Work orders under the blanket agreement will be negotiated and authorized by the department on an as needed basis.

The completion date for this contract will be 24 months after authorization to proceed.

Key personnel listed on **Exhibit A** for this project must include:

- The person who will assume the duties of Project Manager for all aspects of the work (must be an Illinois Licensed Professional Engineer).
- The person(s) who will perform the Lighting Design work (must be an Illinois Licensed Professional Engineer).
- The person who will perform the QA/QC review work of all milestone submittals (must be an Illinois Licensed Professional Engineer.)

Consultants are also required to furnish lighting projects (no more than 10) done in the last five years, by key staff listed above.

The prime firm must be prequalified in the following categories to be considered for this Project:

**Special Services (Electrical Engineering)**  
**Special Studies (Lighting Typical)**

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).

10. **Job No. D-91-369-14, Various Phase II Projects, Various Routes, Various Counties, Region One, District One.**

**This project requires 20% DBE participation.**

The **Complexity Factor** for this project is **0**.

The Consultants who is selected for this project, and all subconsultants the prime Consultant will be using, are scheduled to attend an initial meeting on **July 30, 2013 at 9:00 A.M.** at the Region One, District One Office in Schaumburg.

Phase II engineering services are required for the preparation of plans, specifications and cost estimates, for various contracts in Region One, District One. Work orders under a blanket agreement will be negotiated and authorized by the department on an as needed basis.

The department will furnish the Consultant with available microfilm plans, Bridge Condition Report, project report, hydraulic report, and other necessary items.

The Consultant may also be required to review and comment on contractor provided documents for contracts currently under construction that may have been completed by other design firms. These may include but are not limited to shop drawings, fabrication and erection plans.

The Consultant's work may consist of preparing roadway plans, TS&L plans, structure plans, geotechnical borings, investigation & analyses, supplemental surveys, drainage & utility investigation, detour route plan, applicable permits, and all other related work to complete Phase II work. The Consultant work may also consist of reviewing and preparing plans to ensure all plans are within the framework of Department policies and procedures, local agency requirements, and all applicable manuals and schedules.

The completion date for this contract will be 24 months after authorization to proceed.

Key personnel listed on **Exhibit A** for this project must include:

- The person who will assume the duties of Project Manager for all aspects of the work documents (must be an Illinois Licensed Professional Engineer).
- The person who will perform the duties of Project Engineer, that individual in charge who is directly involved in the development of the contract documents (must be an Illinois Licensed Professional Engineer).
- The person who will perform the work in the area of structure plan preparation documents (must be an Illinois Licensed Structural Engineer). In addition, the staff performing this work must be identified.
- The person who will perform the QC/QA review work of all milestone submittal documents (must be an Illinois Licensed Professional Engineer for roadway work and must be an Illinois Licensed Structural Engineer for structural work with adequate plan review experience).



The prime firm must be prequalified in the following categories to be considered for this project:

**Structures (Highway: Typical)**  
**Highways (Roads & Streets)**

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).

11. **Job No. P-91-318-14, Various Survey Projects, Various Routes, Various Counties, Region One / District One**

**This project requires 20% DBE participation.**

The **Complexity Factor** for this project is **0**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will attend an initial meeting on **July 28, 2014 at 10:00 A.M.** at the Region One/District One Office in **Schaumburg**.

Phase I engineering services are required for various surveying projects throughout District One. Work orders under the blanket agreement will be negotiated and authorized by the Department on an as-needed basis.

The department will furnish the Consultant with available alignment data, existing right-of-way plats, Sidwell maps, benchmarks and coordinates for the projects, along with any archived survey notes as each work order is negotiated.

The Consultant's work is expected to require field and office resources to prepare surveys of various roadway projects throughout the District. This includes, but is not limited to, route surveys, topographic surveys, cross-sections, profile, existing as well as proposed centerline alignments, stream surveys, drainage inverts, locating existing right-of-way monument, plotting of field information, mapping projects, and any other tasks deemed necessary to complete the work in accordance with the Department's Survey Manual and District One policies and procedures. All survey information will be acceptable for design purposed and formatted per IDOT specifications. All data collected electronically or plotted will comply with IDOT CADD standards and use standard IDOT Survey Point Codes. Some GIS and database work may also be required. The consultant must also have a QA/QC plan to review internal work as well as assigned IDOT projects.

The completion date for this contract will be 24 months after authorization to proceed.

Key personnel listed on **Exhibit A** for this project must include:

- The person who will assume the duties of Project Manager for all aspects of the work (must be an Illinois Licensed Professional Land Surveyor.)
- The person who will perform the QA/QC review work of all milestone submittal documents (must be an Illinois Licensed Professional Land Surveyor.)

Firms must be prequalified in the **Special Services (Surveying)** category to be considered for this project.

Statements of Interest, including the resumes of the key people noted above, must be submitted electronically, using the Engineering Prequalification and Agreement System (EPAS), to the Central Bureau of Design and Environment.

12. **Job No. P-91-356-14, Various Phase I Projects, Various Routes, Various Counties, Region One, District One.**

**This project requires 20% DBE participation.**

The **Complexity Factor** for this project is **0**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **July 30, 2014 at 9:00 A.M.** at the Region One, District One Office in **Schaumburg**.

Phase I engineering services are required for the preparation of various Phase I preliminary engineering and environmental studies throughout District One. The work may include new Phase I studies for intersections, small highway segments, bridges, and/or assisting the District in completing on-going Phase I studies and tasks. In addition, the Consultant may be required to assist the District with the management of an ADA Transition Plan. Work orders under the blanket agreement will be negotiated and authorized by the department on an as-needed basis.

The Consultant and/or their subconsultants on the project are prohibited from managing contracts where either party is the prime Consultant or a subconsultant. The selected firm and/or their subconsultant may not manage another firm if the relationship was reversed during another phase of work.

The department will furnish the Consultant with any relevant and available information such as accident data, existing and projected traffic data, utility coordination, and right-of-way data, as well as archaeological, historical, wetland, and special waste survey coordination. The Consultant will be expected to perform work similar to an IDOT Project Manager/Squad Leader & Staff, and report to the In-House Studies Unit Head. The Consultant's work may include data collection, preparation of base maps and mosaics, geometric studies, safety studies including accident analysis, capacity analysis including intersection design studies, route as well as stream surveys, Categorical Exclusion Reports, bridge inspections and condition reports, drainage studies including Hydraulic Reports, cost estimates, public involvement, and all other related work necessary to complete various Phase I studies and tasks. The Consultant will be expected to perform work in the district office as needed. The Consultant may also be required to assist the district in reviewing, overseeing, tracking, and prioritizing projects being performed by IDOT personnel and other consultants. The Consultant should have sufficient trained staff familiar with ADA/PROWAG requirements to be able to assist the District with field data collection as well as manage, process, and monitor data collected and incorporate it into a coherent GIS and/or IRIS compatible database.

The cumulative cost of construction of these projects is anticipated to be in excess of \$20,000,000. The completion date for this contract will be 60 months after authorization to proceed.

Key personnel listed on **Exhibits A & B** for this project must include:

- The person who will assume the duties of Project Manager for all aspects of the work documents (must be an Illinois Licensed Professional Engineer).
- The person who will perform the duties of Project Engineer, that individual in charge who is directly involved in the development of the contract documents (must be an Illinois Licensed Professional Engineer).

- The person who will perform/supervise the work in the area of drainage calculations and preparation of the Drainage Report (must be an Illinois Licensed Professional Engineer).
- The person who will perform the QC/QA review work of all milestone submittal documents (must be an Illinois Licensed Professional Engineer for roadway work and must be an Illinois Licensed Structural Engineer for structural work with adequate plan review experience).

The prime firm must be prequalified in the following categories to be considered for this project:

**Location/Design Studies (Reconstruction/Major Rehabilitation)**  
**Structures (Highway: Typical)**  
**Special Studies (Location Drainage)**  
**Special Studies (Traffic)**  
**Hydraulic Reports (Waterways: Typical)**

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).

13. **Job No. P-91-357-14, Various Phase I Projects, Various Routes, Various Counties, Region One, District One.**

**This project requires 20% DBE participation.**

The **Complexity Factor** for this project is **0**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **July 30, 2014 at 10:00 A.M.** at the Region One, District One Office in **Schaumburg**.

Phase I engineering services are required for the preparation of various Phase I preliminary engineering and environmental studies throughout District One. The work may include but not be limited to new Phase I studies for intersections, small highway segments, bridges, and/or assisting the District in completing on-going Phase I studies and tasks. In addition, the Consultant may be required to assist the District with the management of an ADA Transition Plan. Work orders under the blanket agreement will be negotiated and authorized by the department on an as-needed basis.

The Consultant and/or their subconsultants on the project are prohibited from managing contracts where either party is the prime Consultant or a subconsultant. The selected firm and/or their subconsultant may not manage another firm if the relationship was reversed during another phase of work.

The department will furnish the Consultant with any relevant and available information such as accident data, existing and projected traffic data, utility coordination, and right-of-way data, as well as archaeological, historical, wetland, and special waste survey coordination. The Consultant will be expected to perform work similar to an IDOT Project Manager/Squad Leader & Staff, and report to the In-House Studies Unit Head. The Consultant's work may include data collection, preparation of base maps and mosaics, geometric studies, safety studies including accident analysis, capacity analysis including intersection design studies, route as well as stream surveys, Categorical Exclusion Reports, bridge inspections and condition reports, drainage studies including Hydraulic Reports, cost estimates, public involvement, and all other related work necessary to complete various Phase I studies and tasks. The Consultant will be expected to perform work in the district office as needed. The Consultant may also be required to assist the district in reviewing, overseeing, tracking, and prioritizing projects being performed by IDOT personnel and other consultants. The Consultant should have sufficient trained staff familiar with ADA/PROWAG requirements to be able to assist the District with field data collection, as well as manage, process, and monitor data collected and incorporate it into a coherent GIS and/or IRIS compatible database.

The cumulative cost of construction of these projects is anticipated to be in excess of \$20,000,000. The completion date for this contract will be 60 months after authorization to proceed.

Key personnel listed on **Exhibits A and B** for this project must include:

- The person who will assume the duties of Project Manager for all aspects of the work documents (must be an Illinois Licensed Professional Engineer).

- The person who will perform the duties of Project Engineer, that individual in charge who is directly involved in the development of the contract documents (must be an Illinois Licensed Professional Engineer).
- The person who will perform/supervise the work in the area of drainage calculations and preparation of the Drainage Report (must be an Illinois Licensed Professional Engineer).
- The person who will perform the QC/QA review work of all milestone submittal documents (must be an Illinois Licensed Professional Engineer for roadway work and must be an Illinois Licensed Structural Engineer for structural work with adequate plan review experience).

The prime firm must be prequalified in the following categories to be considered for this project:

**Location/Design Studies (Reconstruction/Major Rehabilitation)**  
**Structures (Highway: Typical)**  
**Special Studies (Location Drainage)**  
**Special Studies (Traffic)**  
**Hydraulic Reports (Waterways: Typical)**

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).

14. **Job No. C-92-034-14, Various Phase III Projects, Various Routes, Various Counties, Region Two/ District Two.**

**This project requires 25% DBE participation.**

The **Complexity Factor** for this project is **0**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **July 30, 2014 at 1:30 P.M.** at the Region Two, District Two Office in **Dixon**.

Phase III engineering services are required to provide construction inspection for various projects in District Two. Work orders under the blanket agreement will be negotiated and authorized by the department on an as-needed basis.

The Consultant will provide sufficient staff to perform all of the engineering services required to complete these projects. The project may include the inspection and documentation of pay quantities, on-site material testing, and material quality assurance testing, construction staking layout as required, and all other work required to complete the project. The Consultant will be responsible for the completion of the work in accordance with the plans and specifications.

The Consultant will assist the Resident Engineer with all documentation of the project. The various proposed projects may consist of patching and resurfacing, bridge repair, bridge rehabilitation, bridge replacement, widening and resurfacing, vertical/horizontal realignment, and/or new roadway projects.

Quality Assurance (QA) oversight and Contractor's Quality Control (QC) by the same Consultant or one of their subconsultants on the same project or on material coming in from the same plant are prohibited. At the negotiation meeting, the prime Consultant and subconsultant(s) will disclose all current relationships with contractors.

The department will furnish the Consultant with a Resident Engineer for the project, all necessary plans, specifications, related forms for record keeping. It is anticipated that the department will do all off site material inspection for the project.

The estimated construction costs for these projects may range from \$200,000 to \$12,000,000. The Consultant will be required to complete and submit final measurements, calculations, and contract record documents to the department no later than six (6) weeks after the completion of the project. The completion date for this contract will be 30 months after authorization to proceed.

Key personnel listed on **Exhibit A** for this project must include:

- The Liaison Engineer
- The Materials QA Technician/Inspector(s) - Include specific details of aggregate source certification, bituminous, and/or PCC QC/QA training, and details of experience with materials inspection.

- The Document Technician (The person actively performing the documentation on the project must possess a current IDOT Construction Documentation certificate. **Include the Documentation Certificate Number for IDOT class S-14, Documentation of Contract Quantities.**)

The prime firm must be prequalified in the **Special Services (Construction Inspection)** category to be considered for this project.

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).



15. **Job No. C-92-035-14, Various Quality Assurance Testing Projects, Various Counties, Region Two, District Two, Dixon.**

The **Complexity Factor** for this project is **0**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **July 30, 2014 at 10:30 A.M.** at the Region Two, District Two office in **Dixon**.

Phase III engineering services are anticipated to perform the quality assurance inspection responsibilities of prestressed and precast producers, and possibly other quality assurance testing assignments. The project includes Quality Assurance Testing in accordance with the Standard Specifications for Road and Bridge Construction. Work orders under the blanket agreement will be negotiated and authorized by department on an as needed basis.

Quality Assurance (QA) oversight and Contractor's or Producer's Quality Control (QC) by the same Consultant or one of their subconsultants on the same project or on material coming in from the same plant are prohibited. At the negotiations meeting, the prime Consultant, and subconsultant(s) will disclose all current relationships with contractors and producers.

The Consultant's work is anticipated to include:

- The daily QA inspection of County Materials located at 1104 E L T Townline Rd., Janesville, WI 53546 and the daily QA inspection of Mid-States Concrete Industries located at 500 S. Park Ave., South Beloit, IL 61080.

The Consultant will complete all of the duties of the department inspector as detailed in the *Manual for Precast Prestressed Concrete Products*, section 1.3 Quality Assurance. Additionally, the Consultant QA plant inspector must be Precast/Prestressed Concrete Institute (PCI) certified and must have completed all relevant QC/QA training.

Inspector(s) must have completed the following training courses:

1. IDOT 3-day Mixture Aggregate Technician or 5-day Aggregate Technician Course
2. ACI Concrete Field Testing Technician – Grade I
  - The Consultant is not required to take the IDOT only portion (1<sup>st</sup> day) of the three day training class. The ACI portion is taught on the second and third days.
  - The Consultant is advised to check with PCI regarding the completion of the ACI training in order to take the PCI training.
3. PCI Level I & II – Quality Control Personnel Certification Program

Providing on-site QA inspection of Illinois and out-of-state prestressed and precast producers on an as-needed basis within the jurisdiction of District 2.

The Consultant will complete all of the duties of the department inspector. The Consultant QA plant inspector must have completed all relevant QC/QA training and complete all duties as detailed in the *Manual for Precast Prestressed Concrete Products*, section 1.3 Quality Assurance and the Bureau of Materials and Physical Research Policy Memorandum Quality Control/Quality Assurance Program for Precast Concrete Products. For prestress facilities, the

Consultant QA plant inspector must be PCI certified and must have completed all relevant QC/QA training.

Inspector(s) must have completed the following training courses:

1. IDOT 3-day Mixture Aggregate Technician or 5-day Aggregate Technician Course
2. ACI Concrete Field Testing Technician – Grade I
  - o The Consultant is not required to take the IDOT only portion (1<sup>st</sup> day) of the three day training class. The ACI portion is taught on the second and third days.
  - o The Consultant is advised to check with PCI regarding the completion of the ACI training in order to take the PCI training.
3. PCI Level I & II – Quality Control Personnel Certification Program

For information concerning the courses 1 and 2, contact the following:

Lake Land College  
5001 Lake Land Blvd.  
Mattoon, IL 61938-9366  
Phone No. (217) 234-5285

For information concerning the course for item 3, contact the following:

Precast Concrete Institute (PCI)  
200 West Adams Street  
Suite #2100  
Chicago, IL 60606  
Phone No. (312) 786-0300

Weekly assignments will be furnished by department representatives located in the District 2 Office, Dixon. The Consultant will maintain records and submit documentation of all QA activities weekly to District 2 representatives.

The completion date for this contract will be 30 months after authorization to proceed.

Key personnel **listed on Exhibit A** for this project must include:

- Liaison Engineer who will assume duties as Project Manager for all aspects of the work (must be an Illinois Licensed Professional Engineer).
- ACI Grade I and PCI Level I and Level II Testing Technicians.
- QC/QA Level I and Level II PCC Testing Technicians.
- Materials QA Technicians.

Statements of Interest must also include the Consultants Certificate of Completion for the previously listed training courses.

The prime firm must be prequalified in the **Special Services (Quality Assurance: QA PCC and Aggregate)** category to be considered for this project.

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).

16. **Job No. P-92-018-14, Various Survey Projects, Various Routes, Various Counties, Region Two/District Two.**

**This project requires 20% DBE participation.**

The **Complexity Factor** for this project is **0**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **July 31, 2014 at 10:30 A.M.** at the Region Two/District Two Office in **Dixon**.

Phase I engineering services are required to furnish various surveys throughout District Two. Work is anticipated to include field office assistance for surveys to establish or re-establish section corners, reference said corners to centerlines, preparation of a cover sheet, Right-of-Way Plats, Easement Plats, Premise Plats, legal descriptions, Monument Record Plats (copies of recorded Monument Record Plats to be furnished by the Consultant), section Corner Plat of Survey, and staking plans for projects of approximately 20 parcels. Work orders under the blanket agreement will be negotiated and authorized by the department on as as-needed basis.

In addition, the Consultant selected may perform survey functions, including, but not limited to horizontal and vertical control for aerial mapping projects and topographic surveys. The Consultant may be required to contact local land surveyors for their input and may be expected to obtain historic survey reference data.

The department will furnish the Consultant with alignment data, Title Reports, Existing Right-of-Way Plats, and Proposed Right-of-Way requirements when available.

The completion date for this contract will be 48 months after authorization to proceed.

Key personnel listed on **Exhibit A** for this project must include:

- The person who will assume the duties of Project Manager for all aspects of the work documents (must be an Illinois Licensed Professional Engineer or an Illinois Licensed Professional Land Surveyor).
- The person who will perform/supervise the work in the area of surveying (must be an Illinois Licensed Professional Land Surveyor).
- The person who will perform the QC/QA review work of all milestone submittal documents (must be an Illinois Licensed Professional Engineer or an Illinois Licensed Professional Land Surveyor).

The prime firm must be prequalified in the **Special Services (Surveying)** category to be considered for this project:

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).

17. **Job No. P-92-020-14, Various Phase I/II Projects, Various Routes, Various Counties, Region Two/District Two.**

**This project requires 25% DBE participation.**

The **Complexity Factor** for this project is **0**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **July 29, 2014 at 10:30 A.M.** at the Region Two/District Two Office in **Dixon**.

Phase I and/or II engineering services including environmental services are required for various projects throughout District Two. Work orders under the blanket agreement will be negotiated and authorized by the department on an as-needed basis.

The Phase I work, if required, may consist of conducting route surveys, hydraulic surveys, hydraulic analyses, geometric studies, and preparing Project Reports (Categorical Exclusion projects only). This work may include data collection, development of alignment alternatives, cost estimates, traffic management analysis, accident analyses, type, size and location (TS&L) drawings, structure plans, and other related work and exhibits necessary to produce the Project Report.

Environmental services may include writing an EA re-evaluation, EIS re-evaluation, 4(f) report, Section 106 report, Biological Assessment, and/or Conservation Plan for Incidental Take Authorization; conducting noise analyses; conducting a tree survey; planning a mitigation site; and other related environmental work and exhibits necessary to produce a required report.

The Phase II work, if required, may consist of conducting route surveys, land surveys, hydraulic analyses, geometric studies, and preparation of type, size and location (TS&L) drawings, structure plans, roadway plans, and any other related work to complete final plans, special provisions and estimates.

The various proposed projects may consist of simple patching and resurfacing, bridge repair, bridge rehabilitation, bridge replacement, widening and resurfacing, and/or new roadway projects. The engineering sources required may consist of only a portion of the total engineering work on a certain project.

The department will furnish the Consultant with any available as-built plans, microfilm plans, field notes, traffic data, accident statistics, agency coordination, existing right-of-way plans, aerial photos, boring logs, and other information.

The estimated construction cost for these projects may range from \$200,000 to \$4,000,000. It is anticipated that this contract will include approximately 3 to 15 different projects. The completion date for this contract will be 48 months after authorization to proceed.

Key personnel listed on **Exhibits A and B** for this project must include:

- The person who will assume the duties of Project Manager for all aspects of the work documents (must be an Illinois Licensed Professional Engineer).

- The person who will perform the duties of Project Engineer, that individual in charge who is directly involved in the development of the contract documents (must be an Illinois Licensed Professional Engineer).
- The person who will perform the work in the area of structure plan preparation documents (must be an Illinois Licensed Structural Engineer). In addition, the staff performing this work must be identified.
- The person who will perform/supervise the work in the area of drainage calculations and preparation of the Drainage Report (must be an Illinois Licensed Professional Engineer).
- The person who will be in charge of surveys (must be an Illinois Professional Licensed Surveyor). Surveying prequalification category requirement may be completed by Prime and/or Subconsultant.
- The person who will perform the QC/QA review work for all milestone submittal documents (must be an Illinois Licensed Professional Engineer for roadway work and must be an Illinois Licensed Structural Engineer for structural work with adequate plan review experience).
- The Environmental Lead, who will be responsible for the day-to-day management of the environmental work effort, and persons responsible for all environmental disciplines including air quality, water quality, traffic noise, community impacts, and ecology. Environmental staffing on **Exhibit B** must match the staffing presented in the firm's most recent Statement of Experience and Financial Condition.
- Person(s) trained and experienced in writing environmental documents.
- Person(s) trained and experienced in writing Section 106/4(f) documents

Statements of Interest must also include examples of work completed in EA re-evaluation, EIS re-evaluation, 4(f) report, Section 106 report, Biological Assessment, and/or Conservation Plan for Incidental Take Authorization, conducting noise analyses, conducting a tree survey and planning a mitigation site.

The prime firm must be prequalified in the following categories to be considered for this project:

**Highways (Roads & Streets)**  
**Structures (Highway: Typical)**  
**Special Studies (Location Drainage)**  
**Location/Design Studies (Rehabilitation)**

The prime consultant must be prequalified in **Environmental Reports (Environmental Assessment)** and must perform all of the environmental work using staff that has been presented in your most recently approved Statement of Experience and Financial Condition or your firm may use a single subconsulting firm that is prequalified in **Environmental Reports (Environmental Assessment)** to perform all of the environmental work. The subconsultant's staff must be the same as presented in their most recently approved Statement of Experience and Financial Condition.

Statements of Interest including resumes of the key people noted above must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).

18. **Job No. P-92-021-14, Various Phase I/II Projects, Various Routes, Various Counties, Region Two/District Two.**

**This project requires 25% DBE participation.**

The **Complexity Factor** for this project is **0**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **July 29, 2014 at 1:30 P.M.** at the Region Two/District Two Office in **Dixon**.

Phase I and/or II engineering services including environmental services are required for various projects throughout District Two. Work orders under the blanket agreement will be negotiated and authorized by the department on an as-needed basis.

The Phase I work, if required, may consist of conducting route surveys, hydraulic surveys, hydraulic analyses, geometric studies, and preparing Project Reports (Categorical Exclusion projects only). This work may include data collection, development of alignment alternatives, cost estimates, traffic management analysis, accident analyses, type, size and location (TS&L) drawings, structure plans, and other related work and exhibits necessary to produce the Project Report.

Environmental services may include writing an EA re-evaluation, EIS re-evaluation, 4(f) report, Section 106 report, Biological Assessment, and/or Conservation Plan for Incidental Take Authorization; conducting noise analyses; conducting a tree survey; planning a mitigation site; and other related environmental work and exhibits necessary to produce a required report.

The Phase II work, if required, may consist of conducting route surveys, land surveys, hydraulic analyses, geometric studies, and preparation of type, size and location (TS&L) drawings, structure plans, roadway plans, and any other related work to complete final plans, special provisions and estimates.

The various proposed projects may consist of simple patching and resurfacing, bridge repair, bridge rehabilitation, bridge replacement, widening and resurfacing, and/or new roadway projects. The engineering sources required may consist of only a portion of the total engineering work on a certain project.

The department will furnish the Consultant with any available as-built plans, microfilm plans, field notes, traffic data, accident statistics, agency coordination, existing right-of-way plans, aerial photos, boring logs, and other information.

The estimated construction cost for these projects may range from \$200,000 to \$4,000,000. It is anticipated that this contract will include approximately 3 to 15 different projects. The completion date for this contract will be 48 months after authorization to proceed.

Key personnel listed on **Exhibits A & B** for this project must include:

- The person who will assume the duties of Project Manager for all aspects of the work documents (must be an Illinois Licensed Professional Engineer).



- The person who will perform the duties of Project Engineer, that individual in charge who is directly involved in the development of the contract documents (must be an Illinois Licensed Professional Engineer).
- The person who will perform the work in the area of structure plan preparation documents (must be an Illinois Licensed Structural Engineer). In addition, the staff performing this work must be identified.
- The person who will perform/supervise the work in the area of drainage calculations and preparation of the Drainage Report (must be an Illinois Licensed Professional Engineer).
- The person who will be in charge of surveys (must be an Illinois Professional Licensed Surveyor). Surveying prequalification category requirement may be completed by Prime and/or Subconsultant.
- The person who will perform the QC/QA review work for all milestone submittal documents (must be an Illinois Licensed Professional Engineer for roadway work and must be an Illinois Licensed Structural Engineer for structural work with adequate plan review experience).
- The Environmental Lead, who will be responsible for the day-to-day management of the environmental work effort, and persons responsible for all environmental disciplines including air quality, water quality, traffic noise, community impacts, and ecology. Environmental staffing on **Exhibit B** must match the staffing presented in the firm's most recent Statement of Experience and Financial Condition.
- Person(s) trained and experienced in writing environmental documents.
- Person(s) trained and experienced in writing Section 106/4(f) documents

Statements of Interest must also include examples of work completed in EA re-evaluation, EIS re-evaluation, 4(f) report, Section 106 report, Biological Assessment, and/or Conservation Plan for Incidental Take Authorization, conducting noise analyses, conducting a tree survey and planning a mitigation site.

The prime firm must be prequalified in the following categories to be considered for this project:

**Highways (Roads & Streets)**  
**Structures (Highway: Typical)**  
**Special Studies (Location Drainage)**  
**Location/Design Studies (Rehabilitation)**

The prime consultant must be prequalified in **Environmental Reports (Environmental Assessment)** and must perform all of the environmental work using staff that has been presented in your most recently approved Statement of Experience and Financial Condition or your firm may use a single subconsulting firm that is prequalified in **Environmental Reports (Environmental Assessment)** to perform all of the environmental work. The subconsultant's staff must be the same as presented in their most recently approved Statement of Experience and Financial Condition.

Statements of Interest including resumes of the key people noted above must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).

19. **Job No. C-93-109-14, Various Phase III Projects, Various Routes, Various Counties, Region Two/District Three.**

**This project requires 20% DBE participation.**

The **Complexity Factor** for this project is **0**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **July 30, 2014 at 10:30 A.M.** at the Region Two/District Three Office in **Ottawa**.

Phase III engineering services are required for construction inspection, PCC/HMA quality assurance inspection, and prestress/precast quality assurance inspection as captioned below.

**Phase III Inspection**

Phase III engineering services are required for the inspection, supervision, construction layout, field material testing (all field material testing will be completed with IDOT equipment) and field inspection for roadway rehabilitation throughout District 3. The various types of jobs are anticipated to consist of route and seal, patching, traffic signals, landscaping, milling and resurfacing, bridge repair and replacement, concrete pavement, and pavement marking. Work orders under the blanket agreement will be negotiated and authorized by the department on an as-needed basis. Laboratory testing of materials will not be required.

The Consultant will be asked to furnish inspectors on these projects. The Consultant is expected to perform onsite inspection, engineering layout, and verification of contractor staking, maintain documentation, submit pay estimates, change orders, and any other duties required to complete these projects on a timely basis and in accordance with the State Specifications and guidelines. The inspectors should be knowledgeable in the use of the department's documentation tracking system (ICORS).

Quality Assurance (QA) oversight and Contractor's Quality Control (QC) by the same Consultant or one of their sub consultants on the sample project or on material coming in from the same plant is prohibited. At the negotiations meeting, the prime Consultant, and sub-consultant(s) will disclose all current relationships with contractors.

In addition, the Consultant may be asked to provide Hot Mix Asphalt (HMA) testers to perform various testing in the District 3 Laboratory at 700 East Norris Drive in Ottawa. The inspector(s) will be responsible for doing various aggregate and/or HMA testing at the direction of the IDOT Laboratory Supervisor. All testing will be performed on IDOT equipment.

Finally, the Consultant may be asked to provide on-site QA inspectors for Illinois and out-of state pre-stressed and pre-cast producers on an as-needed basis within the jurisdiction of District 3. All testing will be performed on IDOT equipment.

The completion date for this contract will be 48 months after authorization to proceed.

Key personnel **listed on Exhibit A** for this project must include:

- The Construction Inspectors. (1 to 4 individuals to perform on-site inspection, survey and QA inspection). A current IDOT Construction Documentation Certification and

experience and a workable knowledge in the area of Hot Mix Asphalt (HMA), Portland Cement Concrete (PCC) and soils training are required.

- The Ottawa Materials Lab Inspectors. (1 to 2 individuals to perform aggregate and/or HMA testing at the Ottawa lab). Inspectors must have completed the following classes:
  - IDOT 3 day mixture aggregate technician or 5 day aggregate technician course
  - IDOTHMA Level I course
- The Pre-stressed/Pre-cast QA inspectors. (1 to 2 individuals to perform QA inspection at District 3 jurisdiction producer sites). Inspectors must have completed or be registered for the following training courses:
  1. IDOT 3-day mixture aggregate technician or 5-day Aggregate Technician Course
  2. ACI Concrete Field Testing Technician – Grade I.
  3. PCI level I & II- Quality Control Personnel certification Program.

The prime firm must be prequalified in the **(Special Services) Construction Inspection** category to be considered for this project.

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).

20. **Job No. C-94-084-14, FAP 698 (IL 89), Construction Inspection for Removal and Replacement of Structure carrying IL 89 over B.N.S.F. R.R. and Crow Creek in Marshall County, Region Three/District Four.**

This project requires **25% DBE participation**.

The **Complexity Factor** for this project is **0**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend a negotiation meeting on **July 28, 2014 at 10:30 A.M.** at the District Office in **Peoria**.

Phase III engineering services are required for the inspection, supervision, material testing (including but not limited to PCC, HMA and embankment testing), materials certification, documentation, and field inspection for bridge construction on Contract Number 68580 in District Four. This project consists of the removal and replacement of the structure carrying IL 89 over Crow Creek.

The Consultant will also be asked to furnish approved personnel to assist a District Resident Engineer/Technician on this project. The Consultant will be required to perform on-site inspection, verification of contractor staking, maintain documentation, and any other duties required by the Resident Engineer/Technician to complete these projects in a timely basis and in accordance with the State Specifications and Guidelines.

Quality Assurance (AQ) oversight and the Contractor's Quality Control (QC) by the same Consultant or one of their Subconsultants on the same project or on material coming in from the same plant are prohibited. At the negotiation meeting, the Prime Consultant and the Subconsultant(s) will disclose all previous involvement in the district, as well as, current relationships with Contractors.

The Consultant must provide their own vehicles, cell phones, computers, tools of the trade and any other equipment deemed necessary to perform the work. Overnight lodging may be required.

The construction project is scheduled for the November 11, 2014, letting with an anticipated construction completion date of June 30, 2016. The completion date for this contract will be 24 months after authorization to proceed.

Key personnel listed on **Exhibit A** for this project must include:

- The Liaison Engineer (with current IDOT Construction Documentation Certificate).
- The Document Technician (the person actively performing the documentation on the project must possess a current IDOT Construction Documentation certificate. Include the Documentation Certificate Number for IDOT class S-41, Documentation of Contract Quantities.)

The prime firm must be prequalified in **(Special Services) Construction Inspection** to be considered for this project.

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design & Environment through the Engineering and Prequalification Agreement System (EPAS).

21. **Job No. C-98-022-11 – 157 over St.Clair Ave., Metro-link & Schoenberger Creek, Phase III, St. Clair County, Region Five, District Eight**

**This Project requires 15% DBE participation**

The **Complexity Factor** for this project is **0**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **July 30, 2014 at 10:00 A.M.** at the Region Five, District Eight Office in **Collinsville**.

Phase III engineering services are required for construction inspection, supervision, material testing, record maintenance and construction layout. This work is anticipated to consist of a new structure on IL 157 over St. Clair Ave., Metro-link & Schoenberger Creek in St Clair County.

The department will furnish the Consultant with construction plans and specifications.

The department will provide a Resident Engineer to direct the contractor and to complete pay estimates and change orders. The Resident Engineer will direct/coordinate the activities of the Consultant staff. The Consultant may be required to furnish staff to work directly with the IDOT Resident Engineer to supplement the department's staff. The Consultant's work force shall be adequate to allow completion of this project in a timely manner and in accordance with the Department's Standard Specifications for Road and Bridge Construction. The Consultant may be required to furnish all of the construction supervision, engineering layout, on-site inspection, maintenance of records and documentation, and perform other duties as directed by the engineer.

The Consultant will provide tools of the trade. The Consultant will perform on-site inspection and provide construction layout as directed by the engineer. The Consultant will also maintain records and documentation and perform any other duties as directed by the engineer to complete this project on a timely basis in accordance with the Department's Standard Specifications for Road and Bridge Construction.

The Consultant may be required to furnish a laptop computer equal to the latest type used by Region 5/District Eight for each project. Illinois Construction Records System (ICORS) software will be provided for downloading on the Consultant's computer.

Quality Assurance (QA) oversight and Contractor's Quality Control (QC) by the same Consultant or one of their subconsultants on the same project or on material coming in from the same plant are prohibited. At the negotiation meeting, the prime Consultant and the subconsultant(s) will disclose all previous involvement in the district as well as current relationships with contractors.

The Consultant must complete and submit final measurements, calculations, and contract record documentation to the Department no later than six (6) weeks after completion of the project as required. The project is scheduled for construction during the 2015 and 2016 construction seasons. The completion date for this contract will be 18 months after authorization to proceed.

The names and resumes of engineers, technicians, materials coordinators, nuclear density inspectors, concrete/bituminous proportioning technicians, inspectors, and documentation

technicians are to be furnished with the proposal. Certification that the documentation technicians have successfully completed the IDOT documentation course is to be furnished. Resumes for materials coordinators and proportioning technicians are to include specific details of aggregate source certification, bituminous, and/or PCC QC/QA training, and details of experience with materials inspection. Resumes for the nuclear density inspectors are to include evidence of appropriate QC/QA density training.

Key personnel listed on **Exhibit A** for this project must include:

- The Engineering Technician.
- The Materials Coordinator.
- The Document Technician. (The person actively performing the documentation on the project must possess a current IDOT Construction Documentation certificate. **Include the Documentation Certificate Number for IDOT class S-14, Documentation of Contract Quantities.**)
- The Materials QA Technician.
- The Survey Chief.

The prime firm must be prequalified in **Special Services (Construction Inspection)** to be considered for this project.

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).



22. **Job No. P-98-038-13 & D-98-038-13, FAP 799 (MLK Drive), Replacement of Structure Located on Martin Luther King ramps, I-70 WB at Missouri Ave. & RR, 0.7 miles east of the Mississippi River, in East St. Louis, Phase I/II Project, St. Clair County, Region Five/District Eight.**

**This project requires 20% DBE participation.**

The **Complexity Factor** for this project is **0.035**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **July 28, 2014 at 9:00 A.M.** at the Region Five/District 8 offices in Collinsville.

Phase I and II services are required to perform all work associated with the preparation of the preliminary engineering report, environmental study (anticipated to be processed as an Categorical Exclusion Type Project), and preparation of structure plans, contract plans, special provisions and estimates for the improvement involving the replacement of existing structure number 082-6003 carrying Martin Luther King (MLK) ramps over Missouri Ave., three railroad tracks owned by Union Pacific, TRRA, and CSX, and proposed relocated IL 3. The estimated project length is approximately 0.5 mile. Work orders under the blanket agreement will be negotiated and authorized by the department on an as-needed basis.

Phase I engineering services are required to complete a Project Report including a detailed environmental summary for the replacement of SN 082-6003. Specific tasks include, but are not limited to, data collection, crash analyses, geometric studies, public involvement, preliminary plan and profile exhibits, environmental studies coordination, wetland impact evaluation (to be included in environmental summary), Traffic Management Analysis, bridge condition report (BCR) and TSL (Type, Size, and Location) plan and all other work necessary to produce a Project Report for Design Approval.

Phase II engineering services are required for this project. Work is anticipated to consist of the preparation of the plans, specifications and estimates (PS&E) package. The PS&E package may include new structure plans, roadway plans, special provisions, estimate of time, estimate of cost, preparation of agreements with railroads and local agencies, and all other work necessary to complete Phase II.

This project is expected to include the preparation of agreements with railroads and local agencies. This work includes, but is not limited to the following: preparation of project specific grade separation agreements with all affected railroad companies in accordance with the approved agreement format for each company; negotiations with each railroad in consultation with IDOT's Chief Counsel and BDE for modifications to the approved format; follow-up communications with each railroad to ensure the agreements are being processed in accordance with the project schedule; ensuring the designer receives all required railroad special provisions as negotiated as part of the agreement; preparation of petitions and orders in consultation with IDOT's Chief Counsel and BDE for the Illinois Commerce Commission; attendance and participation at Illinois Commerce Commission hearings; preparation of letters of intent with the local agencies to explain the project and obtain their concurrence on design elements affecting the local routes; preparation and/or review of agreements with local agencies to ensure all project aspects have been addressed with the appropriate local agency; and all other coordination/communication as necessary to ensure timely approvals of all agreements and orders in accordance with the project letting schedule.

The department will furnish the Consultant with any available as-built plans, microfilm plans, existing and projected 20-yr traffic data, field notes, crash statistics, agency coordination, existing right-of-way plans, as available, geotechnical data and reports, utility coordination and correspondence; and archaeological, historical, biological survey as well as hazardous waste coordination and any other available information.

The completion date for Phase I of this project shall be 18 months from authorization to proceed, and the completion date for Phase II of this contract shall be 18 months authorization to proceed. Phase II will be negotiated near the completion of Phase I.

Key personnel listed on **Exhibits A & B** for this project must include:

- The person who will assume the duties of Project Manager for all aspects of the work documents (must be an Illinois Licensed Professional Engineer).
- The person who will perform the duties of Project Engineer, that individual in charge who is directly involved in the development of the contract documents (must be an Illinois Licensed Professional Engineer).
- The person who will perform the work in the area of structure plan preparation documents (must be an Illinois Licensed Structural Engineer). In addition, the staff performing this work must be identified.
- The person who will perform the QC/QA review work of all milestone submittal documents (must be an Illinois Licensed Professional Engineer for roadway work and must be an Illinois Licensed Structural Engineer for structural work with adequate plan review experience).

The prime firm must be prequalified in the following categories to be considered for this project:

**Location Studies (New Construction/Major Reconstruction)**  
**Highways (Roads & Streets)**  
**Structures (Highway: Advanced Typical)**

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).

**23. Job No. P-98-045-14/D-98-045-14 Local Roads Project Management for Various Projects, Various Counties, Region 5/ District 8**

**This project requires 15% DBE participation.**

The **Complexity Factor** for this project is **0**.

The Consultant who is selected for this project and all subconsultants the Prime Consultant will be using are scheduled to attend a negotiation meeting on **July 28, 2014 at 10:00 A.M.** at the District Eight office in **Collinsville**.

Engineering Services are required for a Consultant Project Manager (PM) for various IDOT local agency sponsored and department led processes and/or projects throughout District Eight. This work may involve working directly with local agencies and/or their consultant firms. Work orders under the blanket agreement will be negotiated and authorized on an as needed basis. All work for this project may be involve either English or metric units.

The PM will be expected to perform work similar to the IDOT Local Roads staff. Key staff from the PM consultant may be expected to perform work in the district offices as required. This may require working in the district offices from two to five days a week as necessary. The work may include engineering, technical, management, administrative services, and other work as necessary to assist bringing numerous projects to completion in accordance with established schedules. This work may involve all facets of Phase I, II, and III engineering for Local Agency sponsored projects.

In addition, the Consultant may also be required to act as a Project Manager (PM) for various Department-led processes and/or projects throughout District Eight. The PM Consultant, if required, may be assigned to support all facets of Phase I, II and III engineering for Department-led projects. This work may also require working in the district offices from two to five days a week as necessary.

The selected Consultant and/or their Sub-consultants are prohibited from managing projects where either party is the prime Consultant or a Sub-consultant. The selected firm and/or their sub-consultants may not manage another firm if the relationship was reversed during another phase of work.

Joint Ventures will not be allowed on this project.

The anticipated work may include, but not be limited to:

- Providing technical support for all facets of Local Agency and Department led Phase I, II, and III engineering projects as assigned including but not limited to:
  - Reviewing deliverables for compliance with departmental policies
  - Monitoring project scope, schedule, and budget
- Identifying and implementing necessary coordination and communications within and outside the department; to IDOT and stakeholders as required;
- Attending regular progress meetings and briefings for IDOT including FHWA where details of project and progress are presented;
- Facilitating and expediting the resolution of technical issues, drawing upon necessary resources and experts in applicable disciplines;

- Facilitating the resolution of contractual issues, drawing upon necessary resources within IDOT;
- Providing engineering judgment and analysis in the review of county, township, and municipal projects funded with federal, Motor Fuel Tax (MFT), Township Bridge Program (TBP), and other state fund programs to ensure departmental and statutory obligations are being fulfilled as it relates to the proper expenditure of funds. This may include a complete review of the local agencies' accounting practices and documenting discrepancies;
- Reviewing and/or tracking local agency bridge inspections
- All other work as required to implement Local Agency and Department-led Projects.

The completion date for this contract will be 48 months after the authorization to proceed.

Key personnel listed on **Exhibits A and B** for this project must include:

- The person who will assume the duties of Project Manager for all aspects of the work documents associated with the contract (must be an Illinois Licensed Professional Engineer).
- The person who will assume the duties of Project Engineer - that individual providing support for all facets of Phase I, II and III engineering for Local Agency sponsored projects (must be an Illinois Licenses Professional Engineer);
- The person who will perform the technical review work for milestone submittal documents (must have adequate roadway plan review experience).

Statements of Interest must also provide the approach the firm will take on this project along with a summary of management experience and Local Roads project experience. A disclosure of any previous or open contracts between the firm and any local agencies must also be included.

The prime firm must be prequalified in the following categories to be considered for this project:

**Location/Design Studies (Rehabilitation)**  
**Highways (Freeways)**  
**Special Services (Construction Inspection)**  
**Structures (Highway: Typical)**

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).

24. **Job No. P-30-008-14, Various Phase I/II Engineering for Structure Projects Statewide, Bureau of Bridges and Structures.**

**This project requires 10% DBE participation.**

The **Complexity Factor** for this project is **0**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **July 29, 2014 at 10:00 A.M.** at the Central Bureau of Bridges and Structures in Springfield.

Primary projects are anticipated to include NBIS and Element Level Inspections of major river bridges, and possible training. Limited projects will include Damage Inspections. The Consultant may be required to provide appropriate bridge inspection equipment to complete NBIS and Damage Inspections and Field investigations. The Consultant may also be required to provide the appropriate traffic control. Anticipated projects may also include plan preparation for the repair, rehabilitation, or replacement of structures, load capacity rating of existing and/or new structures, drafting services and possible field investigations. Work Orders under a blanket agreement will be negotiated and authorized by the department on an as needed basis. All work for this project may be in either English or metric units.

The department will furnish the available documents and resources to the Consultant. Projects to be handled by the selected Consultant vary greatly in size and complexity as well as timing. The completion date for this contract will be 36 months after authorization to proceed.

Key personnel listed on **Exhibit A** for this project must include:

- Person who will assume the duties of Project Manager for aspects of the work: (must be an Illinois Licensed Professional Engineer and Illinois Licensed Structural Engineer).
- Person who will perform the duties of the Project Engineer, defined as the individual-in-charge who is directly involved in the development of the contract documents: (must be an Illinois Licensed Professional Engineer and/or an Illinois Licensed Structural Engineer).
- Person who will perform the work in the area of structural plan preparation and will seal the plans as required (must be an Illinois Licensed Structural Engineer). In addition, the staff performing this work must be identified.
- The person who will perform the QC/QA review work of all milestone submittal documents (must be an Illinois Licensed Structural Engineer with adequate plan review experience).
- Person who will perform the work in the area of NBIS and Element Level inspections and training must be an NBIS qualified Team Leader and an Illinois Licensed Professional Engineer or Illinois Licensed Structural Engineer. In addition, the staff performing this work must be identified.

The prime firm must be prequalified in the **Structures (Highway: Advanced Typical)** category and have the necessary training for **NBIS and Element Level Inspection** to be considered for this project. Training experience must be listed in resumes.

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).

25. **Job No. P-30-012-14, Various Phase I/II Engineering for Structure Projects Statewide, Bureau of Bridges and Structures.**

**This project requires 15% DBE participation.**

The **Complexity Factor** for this project is **0**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **July 30, 2014 at 10:00 A.M.** at the Central Bureau of Bridges and Structures in **Springfield**.

Various structural engineering services are required by the Bureau of Bridges and Structures. Primary projects are anticipated to include load capacity ratings of existing and/or new structures, field investigations, and structural studies. Other projects may include plan preparation and plan review for the repair, rehabilitation, or replacement of structures, drafting services, policy investigation, and development, NBIS and Element Level Inspections and Damage Inspections. The Consultant may be required to provide the appropriate bridge inspection equipment to complete inspections and field investigations. The Consultant may also be required to provide the appropriate traffic control. Work Orders under a blanket agreement will be negotiated and authorized by the department on an as needed basis. All work for this project may be in either English or metric units.

The Consultant may be required to act as a Project Manager (PM) for various engineering services. The Consultant may be assigned to manage bridge load capacity ratings and the review and preparation of various IDOT phase II projects. Work orders under the blanket agreement will be negotiated and authorized by the department on an as-needed basis. The Consultant will be expected to perform work similar to an IDOT Project Manager & staff, and report to the Engineer of Structural Services for bridge ratings, investigations and repairs or the Bridge Planning and/or Bridge Design Engineer for Phase II work. The work may include engineering, management, public coordination, administrative services, and other work as necessary to ensure assigned projects are brought to completion in accordance with established schedules. It is anticipated the Consultant will be required to conduct his/her work in the Bureau of Bridges and Structures' office 3-5 days per week.

The department will furnish the available documents and resources to the Consultant. Projects to be handled by the selected Consultant vary greatly in size and complexity as well as timing. The selected Consultant must have the capacity to absorb this work without adversely affecting other commitments while still completing these projects in the prescribed time period. The Consultant shall maintain an office in the Springfield area.

The completion date for this contract will be 48 months after authorization to proceed.

Key personnel listed on **Exhibit A** for this project must include:

- Person who will assume the duties of Project Manager for all aspects of the work: (must be an Illinois Licensed Professional Engineer and an Illinois Licensed Structural Engineer).
- Person(s) who will perform the duties of the Project Engineer, defined as the individual-in-charge who is directly involved in bridge capacity ratings and phase II work: (must be an Illinois Licensed Structural Engineer). It is desired the Project Engineer have extensive experience in the load capacity rating of bridges using AASTHO-Ware Bridge

Rating (formerly known as VIRTIS). In addition, the staff performing this work must be identified. It is desired the Consultant have multiple Illinois Licensed Structural Engineers on staff available to work on this project.

- Person who will perform the work in the area of structural plan preparation and will seal the plans as required (must be an Illinois Licensed Structural Engineer). In addition, the staff performing this work must be identified.
- Person who will perform the work in the area of NBIS and Element Level inspections and training must be an NBIS qualified Team Leader and an Illinois Licensed Professional Engineer or Illinois Licensed Structural Engineer. In addition, the staff performing this work must be identified.
- The person who will perform the QC/QA review work of all milestone submittal documents (must be an Illinois Licensed Structural Engineer with adequate plan review experience).

The prime firm must be prequalified in the **Structures (Highways: Advanced Typical)** category to be considered for this project.

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).

26. **Job No. HPR-66-001-14, Training Class Development and Implementation for the Specific Task Training Program, Bureau of Construction.**

**This project may contain Federal Funds.**

The **Complexity Factor** for this project is **0**.

The Consultant who is selected for this project and all sub consultants the prime consultant will be using are scheduled to attend an initial meeting on **July 30, 2014 at 10:00 A.M.** at the Central Bureau of Construction in **Springfield**.

The department is requesting engineering services for the Bureau of Construction. The Consultant will develop and implement training for the Department's Specific Task Training Program. The work will include the development of a new training class for the construction inspection of steel structures. The purpose is to provide training for the inspection of steel beams, setting steel beams, bolting of beams and inspection of other steel items involved in bridge construction. This work involves working directly with central office staff in the Bureau of Construction and other bureaus. Work orders under a blanket agreement will be negotiated and authorized by IDOT on an as-needed basis.

The Consultant will be expected to perform work similar to and currently performed by an IDOT Civil Engineer VI. This work will include development of a training class for inspection of steel structures, production of training materials, performing the training in the district offices throughout the state, and may include performing training for classes already developed by the Bureau of Construction.

The work is anticipated to include:

- Review of current department policies, specifications, and procedures related to fabrication, construction, installation, erection, and inspection of steel elements and structures.
- Field visits to obtain pictures and videos for use in the training materials.
- Develop class content, including a visual presentation, a training booklet, and a test for inspection of steel structures during construction.
- Conduct steel structure training classes in the district offices throughout the state.
- Conduct additional training classes in the district offices throughout the state with training materials and presentations provided by IDOT.

The department will provide scheduling and registration information for trainees.

The Consultant is required to have the following:

- Experience in bridge design and construction inspection for IDOT.
- Detailed knowledge of and experience in working with IDOT highway construction policies and procedures, including IDOT's Standard Specifications for Road and Bridge Construction, IDOT Construction Manual, IDOT Bridge Manual, AASHTO's Guide Specification for Highway Construction and LRFD Bridge Construction Specifications, and OSHA policies.
- Ability to produce and use the latest version of Microsoft Office products, CADD Micro-Station and Adobe Acrobat (PDF).



Key personnel listed on **Exhibit A** for this contract must include:

- The person who will assume the duties of Project Manager for all aspects of the work (must be an Illinois Licensed Professional Engineer).
- The person(s) who will develop the training materials and presentation for the steel structures training class (must be an Illinois Licensed Professional Engineer with at least one Illinois Licensed Structural Engineer).
- The person(s) who will conduct the training (preferred to be an Illinois Licensed Professional Engineer)

The completion date for this contract will be 24 months after authorization to proceed.

Statements of Interest must also include:

- Firm's experience with bridge design and construction inspection for IDOT.
- Firm's experience with the development of technical manuals, specifications, and presentations and any training provided.
- Firm's techniques for completion of this work.
- A statement of your firm's ability to perform the work within the time frame described above including allowance for review by multiple bureaus within the IDOT Central Office.

The prime firm must be prequalified in the following categories to be considered for this project:

**Highways (Roads and Streets)**

**Structures (Highway: Typical)**

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).

27. **Job No. P-30-010-14, Various Statewide Waste Assessments, Studies and Designs, Statewide, Bureau Design and Environment.**

This project requires **5% DBE** participation.

The **Complexity Factor** for this project is **0.035**.

The Consultant selected for this project, and all subconsultants the prime Consultant will be using, is scheduled to attend a negotiation meeting on **July 30, 2014 at 1:30 P.M.** at the Harry R. Hanley Building, Central Office Bureau of Design and Environment in **Springfield**.

The department has contracted with the Illinois State Geological Survey (ISGS) to conduct preliminary environmental site assessments (PESA's) of property proposed for highway use. ISGS conducts land-use history investigations; researches federal, state, and local records; conducts field surveys; and determines if the property contains recognized environmental conditions (RECs), de minimis conditions, or no RECs. Work orders under a blanket agreement will be negotiated and authorized by the department on an as needed basis.

Based on PESA results, districts work with the Environment Section of the Bureau of Design and Environment (BDE) to decide whether additional analyses or other remediation actions are necessary.

Engineering services are required to perform "Preliminary Site Investigations" (PSI's), and when necessary Detailed Site Investigations (DSI's) which are identical to CERCLA RI/FS's. PSI's will entail investigations of sites potentially containing regulated substances. A variety of sites may be investigated (e.g., old, abandoned, or improperly closed dumps, chemical manufacturing sites, metal plating / fabricating sites, dry cleaning / service stations, storage tank sites and buildings, structures containing potential contamination, spills in IDOT yards, and screening for the presence of radionuclides).

Also, provisions for laboratory and field testing including geophysical surveys when needed will be required for a wide variety of regulated substances including but not limited to: soil and water quality parameters including contaminants i.e., PCB's, pesticides, heavy metals, organics and radioactive wastes.

Additional work will include conducting surveys and testing, if applicable, of stored materials, tank contents, and containers to determine whether hazardous waste, special waste, hazardous materials, or other regulated substances are present, conducting environmental compliance audits and developing or maintaining environmental management systems.

The department will furnish the Consultant with the PESA and, as available, Project Reports, field survey data, soil survey data, and plans of the existing and proposed transportation facility.

Evaluation, summarization, engineering analysis, and reporting on PSI's, DSI's, laboratory analysis and survey work are included as an important part of this work.

## **ANTICIPATED WORK SUMMARIES FOR THE VARIOUS TYPES OF POSSIBLE WASTE ASSESSMENTS:**

### **POTENTIAL WASTE SITES INCLUDING UST-LUST SITES**

Engineering services are required to perform Preliminary Site Investigations (PSI) and on occasion, Details Site Investigations (RI/FS's and RCRA assessments), plus projects requiring remedial design, which may include underground storage tank (UST) removal, and construction oversight of sites suspected to contain regulated substances, UST and leaking tanks (LUST), and/or unsecured materials of concern. The PSI's are to include verification of subsurface geologic and hydrologic conditions, identification of chemical contamination and identification of the extent of chemical contamination, when feasible.

PSI investigations include items of work such as work plans, health and safety plans, surface geophysical investigations, trenching, drilling, sampling, chemical analysis, and reporting. Laboratory testing, including quality assurance/quality control is considered to be the responsibility of the Consultant.

Following the completion of on-site activities, the firm will compile and evaluate the data and condition of each investigated property. Soil and groundwater analytical results will be compared to the applicable remediation objectives for the maximum allowable concentrations of chemical constituents in uncontaminated soil used as fill material at regulated fill operations (MAC) (35 Illinois Administrative Code (IAC) 1100. Supart F and Title 35 IAC Part 742, Tiered Approach to Corrective Action Objectives (TACO)).

For example, the PSI report will include an estimate of total volume of impacted soil exceeding MAC table and groundwater exceeding TACO remediation objectives. If potentially impacted soil and / or groundwater are encountered, an approach for the management and, if necessary, the off-site disposal of these materials will be presented. Approximate volume estimates and associated cost estimates for transportation and disposal will be developed and presented based on information gathered during the scope of this PSI, as well as measures to reduce potential construction worker exposures to soil exceeding ingestion or inhalation reference concentrations. Recommendations for further investigation will be presented if it is necessary to more accurately define the extent of contamination.

As a task is identified, the department will request the Consultant to prepare an outline of the work phases and technical approach, personnel requirements, detailed cost breakdown, and a schedule that is consistent with the task request. When a task order is awarded for investigation, the Consultant will be fully responsible for the sampling, testing and reporting.

For performance of this work, the Consultant will be required to assign the necessary full-time staff described in its Statement of Interest and, in many cases (except emergency response oversight), to respond with a draft work plan within 15 working days, conduct field work within 10 working days after authority to proceed, draft report within 3 months after the authority to proceed, and final report two weeks following IDOT comments. For emergency response oversight, the Consultant will be required to respond within four hours.

The Consultant will be required to prepare IEPA LPC-663 forms (Uncontaminated Soil Certification for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation). This certification form is used by professional engineers and professional geologists to certify, pursuant to 35 Ill. Adm. Code 1100.205(a)(1)(B), that soil is uncontaminated soil and

is within a pH range of 6.26 and 9.0. The firm's professional engineer or professional geologist will be required, when necessary based on results of the PSI, to stamp and sign the LPC-663 forms.

### MISCELLANEOUS SURVEYS AND TESTING

Engineering services to perform environmental surveys and/or testing on an as-needed basis will include assignments such as conducting surveys and testing of stored materials, tank contents, containers, and environmental media (e.g., surface water, soil, air, and groundwater). The work may also include assignments such as reviewing and evaluating existing property-specific information, providing technical expertise on an as-needed basis, corrective actions in order to achieve "No Further Remediation" clearance, and other ad hoc environmental-related tasks within the scope of services normally provided by a hazardous waste consultant.

The consultant may also be required to perform work in the central office, as needed, to assist the Bureau of Design and Environment (BDE) in reviewing, overseeing, tracking, and prioritizing projects being performed by IDOT personnel and consultants.

### EMERGENCY RESPONSE OVERSIGHT

Engineering services are required to perform emergency response oversight. Oversight shall include but not be limited to review of health and safety plans, drilling, sampling, chemical analysis, waste classification, reporting, and coordinating the release with the proper authorities (IEPA, IEMA, U.S. EPA, Corps of Engineers, or other State or Federal Agencies). Laboratory testing, including quality assurance/quality control is considered to be the responsibility of the Consultant. The Consultant should be prepared to perform any task to minimize the release and cleanup. The goal of these work assignments is to obtain closure for the release from the proper State and Federal Agencies.

### ENVIRONMENTAL PLANS FOR DEPARTMENT OPERATIONS FACILITIES

Engineering services may be required to review current department operational facilities on current practices that impact the environment, investigate past practices, and make recommendations for mitigation and improvements. Assist with the development of an environmental management system, which will provide a framework for practices, procedures, and processes to manage the Bureau of Operations' Environmental Program.

### EXTRANET

To help in the Department facilitate in the review of work plans and PSI reports and project tracking, the Consultant will be required to upload all information regarding each work order and to provide any technical assistance necessary to ISGS in the maintenance of the extranet site hosted by ISGS. Information uploaded shall include but not be limited to draft and final work plans, draft and final PSI reports, budget information, analytical results, site location maps, site photographs, and progress reports.

As a task is identified, the Department will request the Consultant to prepare an outline of the work phases and technical approach, personnel requirements, detailed cost breakdown, and a schedule that is consistent with the task request. When a task order is awarded for investigation, the Consultant will be fully responsible for the sampling, testing and reporting.

For performance of this work, the Consultant will be required to assign the necessary full-time staff described in its Statement of Interest and, in many cases (except emergency response oversight), to respond with a draft work plan within 15 working days, conduct field work within 10 working days after authority to proceed, draft report within 3 months after the authority to proceed, and final report two weeks following IDOT comments. For emergency response oversight, the Consultant will be required to respond within four hours.

#### CONFIDENTIALITY:

(1) Unless otherwise directed by IDOT, the Consultant shall hold all information provided by IDOT and the results of the work performed by the Consultant confidential and shall not disclose the same to any third party except where required by governmental regulatory agencies or as otherwise required by law. Documents shall be marked "Confidential," "Attorney Work Product," "Attorney-Client Privileged," or as directed by IDOT. The confidentiality provisions herein shall survive any termination or expiration of this agreement. The Consultant shall retain the right to disclose necessary information for financial, tax and insurance audits as required, subject to a confidentiality agreement with the auditor. Specific information concerning the work performed will not be disclosed without IDOT's prior approval.

(2) It is understood that: (i) you will make a reasonable effort to be available upon reasonable advance notice; (ii) you will keep confidential all information obtained, or analyses developed, in connection with this litigation or any related litigations with respect to which we may seek your advice and counsel; (iii) you will use such confidential information solely in connection with your engagement by IDOT; (iv) you will preserve any written materials, including e-mails generated or received by you in connection with this engagement, as such materials are potentially discoverable in litigation; (v) you will not in the future consult for, or otherwise represent, any other person or entity with an interest adverse to IDOT's interests in or concerning the pending litigation, or the events or occurrences out of which the pending litigation arises; and (vi) you will keep confidential your retention by IDOT, unless and until you are identified in court papers as a testifying expert or we otherwise authorize you to breach this confidentiality.

(3) It is specifically understood that if you are later designated a testifying expert, all documents that you create may become discoverable, including drafts and notes prepared prior to the time that your opinion or report is finalized.

Therefore, you agree that: (i) you will not prepare any draft opinion or report without our consent (regardless of whether the draft is for internal purposes or to share with others); (ii) you will not share any draft opinion or report, or any notes, with any other person without our consent; (iii) every draft opinion or report will bear the following legend: 'THIS IS A PRELIMINARY DRAFT. IT HAS BEEN PREPARED BASED ON PRELIMINARY INFORMATION AND ASSUMPTIONS. NO ONE MAY RELY ON THIS DRAFT. IT IS SUBJECT TO CHANGE AS ADDITIONAL INFORMATION BECOMES AVAILABLE OR IS CLARIFIED'; (iv) all notebooks or individual pages of notes will bear the following legend: 'THESE NOTES ARE INCOMPLETE AND HAVE BEEN PREPARED FOR PERSONAL USE ONLY. NO ONE MAY RELY ON THEM FOR ANY PURPOSES. IT IS SUBJECT TO CHANGE AS ADDITIONAL INFORMATION BECOMES AVAILABLE OR IS CLARIFIED'.

The completion date for this contract (excluding emergency response oversight) will be 36 months after authorization to proceed.

**Statements of Interest** must include the following:

1. The location of the office from which the majority of work on this project will be performed.
2. An organization chart showing the Administrative / Managerial Staff of the office and a flow chart of key Technical / Professional Staff, including field and risk assessment staff that will be assigned to this project. Similarly, information of subconsultants' location / organization should be provided.
3. The name of the laboratory that will be used for this project. The selected firm must have the capability of using either in-house or subcontracted laboratory facilities which are qualified to work on IEPA sites. The laboratory shall have an approved IEPA quality assurance plan and follow that plan in performing the analyses.
4. A statement of your firm's ability to do the work in-house, or if necessary, what work is to be subcontracted. Indicate item(s) of work which would be subcontracted and the proposed subcontractor(s).
5. A description of your mobilization plan to be used upon notification that a work order has been authorized.
6. A discussion of your organizational and management practices to maintain established schedules, avoid cost overruns, and inform IDOT of the status of work orders.

The prime firm must be prequalified in the **Special Services (Hazardous Waste - Advanced)** category and be familiar with IDOT contracts.

The chosen firm will have a wide range of experience and sufficient breadth and depth to adroitly handle anything in the special waste / hazardous waste field. The firm will have expert staff to minimize the start-up learning curve for work under this PTB. Previous experience on IDOT projects is not necessarily required. Some work will involve requiring experience equivalent to with the Special Services, Hazardous Waste-Simple prequalification category.

Firms will be evaluated on their ability to comprehend the scope of work, as evidenced by their statements of interest and prequalification packages, the quality and experience of their assigned staff; team organization, management and responsiveness; and management and data quality assurances as evidenced by laboratory procedures. The mobilization plan in the SOI will provide sufficient detail to demonstrate understanding of the process.

Additionally, the firm must comply with the following:

1. Use laboratory facilities that are accredited by the IEPA under 35 Illinois Administrative Code 186.
2. Use appropriately licensed and certified equipment and appropriately licensed and registered subconsultants.

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification System (EPAS).

28. **Job No. P-30-011-14, Various Statewide Noise and Vibration, Bureau Design and Environment.**

The **Complexity Factor** for this project is **0**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **July 31, 2014 at 10:30 A.M.** at the Harry R. Hanley Building, Central Bureau of Design and Environment, in **Springfield**.

This project requires specialized technical services to perform both routine and expedited noise and/or vibration analyses for transportation projects across the state, as well as the review of technical noise or vibration studies and NEPA documents prepared by others. It also is expected to include providing expertise regarding transportation noise or vibration-related issues to District and BDE staff, as needed. Work orders may involve various types of transportation-related noise and vibration assessments, including motor vehicle, rail and/or transit. The services required may include the identification of sensitive noise or vibration receptors, which may include monitoring as well as traffic counts to determine the locations of noise and vibration impacts and analysis and recommendation of potential abatement measures. This work shall be done using the most current Federal Highway Administration (FHWA) policies, FHWA noise model and under guidance of all IDOT traffic noise policies, Federal Transit Administration (FTA) noise and vibration impact guidelines, or Chicago Region Environmental and Transportation Efficiency Program (CREATE) noise and vibration methodologies. This contract provides for specialized technical services to review reports from local agencies on funding of noise abatement walls and other mitigation plans. Preparation of noise or vibration training materials and conducting noise or vibration training classes may also be required. Work orders under the blanket agreement will be negotiated and authorized by the department on an as needed basis.

Work orders may consist of the following tasks:

- Review and preparation of comments on noise or vibration technical reports or NEPA documents completed by other consultants or IDOT staff.
- Determination of appropriate area(s) to analyze.
- Identification of representative noise or vibration receptor(s) and Common Noise Environments.
- Identification of appropriate input factors to be used in the FHWA Traffic Noise Model (TNM) 2.5, FTA noise and vibration procedures, or CREATE noise and vibration methodologies.
- Noise monitoring.
- Determination of benefited receptor locations where noise or vibration impacts are predicted to occur and noise abatement measures are evaluated.
- Modeling of existing and both build and no-build options for a proposed improvement.
- Attendance at appropriate project meetings and training classes at IDOT offices or other locations, as needed.
- Preparation of transportation noise/vibration analysis memoranda.
- Preparation of text, associated tables and related exhibits (showing the analyzed receptors) for use in IDOT's NEPA documents, Project Reports and other documents, as required.
- Preparation of tables, exhibits, mailings and/or announcements and participation at informational meetings conducted by sponsoring entities, at the discretion of the department.

- Preparation of appropriate written noise and vibration updates/briefings/guidance to Central Office or District staff, as requested.
- Conducting noise or vibration training classes and preparation of noise or vibration training materials, as needed.
- Revision or updating of the “Highway Traffic Noise Assessment Manual” or preparation of other transportation noise or vibration policies/manuals or brochures, as necessary.

The department will furnish the Consultant with the following when available:

- Technical Noise or Vibration Reports or NEPA documents to be reviewed.
- All details related to requests for noise monitoring.
- Proposed transportation facility plans and cross-sections, as needed.
- Existing transportation facility plans and field survey data, as needed.
- Traffic volume data (vehicle or rail).
- Aerial photography of project locations.

The completion date for this contract will be 60 months after authorization to proceed.

Key personnel listed on **Exhibits A** and **B** for this project must include:

- The person(s) who will conduct the duties of the Noise and Vibration Specialist(s) (with resume(s) including qualifications), and whom will be directly accountable for the analyses and report preparation. The Noise and Vibration Specialist(s) must have completed two or more highway noise analyses using the FHWA Highway Traffic Noise Prediction Model, as well as FTA and CREATE noise and vibration assessments, and have the appropriate education and training/course work, including a basic traffic noise prediction model and/or advanced mobile modeling course. Training and experience with FHWA Traffic Noise Model (TNM) 2.5 is required, as well as experience with the FTA and CREATE noise and vibration methodologies. [Please limit this description of training and experience to 2-3 pages.] The Key Noise and Vibration Specialist(s) identified **must** be based in Illinois.
- The person who will perform the QC/QA review work of all milestone submittal documents.

Statements of Interest must include evidence of highway/transit/rail noise and vibration analyses completed using the currently accepted FHWA Highway Traffic Noise Prediction Model (TNM 2.5), the FTA noise and vibration procedures as well as the CREATE noise and vibration methodologies completed by the firm. If possible, include specific examples of reports conducted for IDOT or another state or federal transportation agency.

The prime firm must be prequalified in the **Environmental Reports (Environmental Assessment)** category to be considered for this project.

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).



29. **Job No. D-60-031-15, Traffic Signal Coordination and Timing (SCAT), Various Projects, Various Routes, Various Counties, Districts Two, Three, Four, and Five, Bureau of Operations.**

The **Complexity Factor** for this project is **0.035**.

The Consultant who is selected for this project and all subconsultants, the prime Consultant will be using are scheduled to attend a negotiation meeting on **July 28, 2014 at 1:00 P.M.** at the Central Bureau of Operations office in **Springfield**.

Engineering services are required to ensure signal optimization is achieved at various isolated traffic signal and traffic signal system locations within Districts 2, 3, 4, and 5. Work orders under the blanket agreement will be negotiated and authorized by the department on an as needed basis.

The project will include accomplishment of one or more of the following tasks for each selected location:

- Data Collection - Field collection of traffic counts, turning movements, signal phasings, signal timings, equipment inventory, and other data needed to qualify existing operating conditions and determine signal optimization alternatives.
- Data Analysis - Appropriate computer models such as HCS, SIGNAL, Synchro, TRANSYT 7F, PASSER II, and CORSIM shall run on the database for each of the selected locations. Recommendations for optimal signal operation plans shall be generated utilizing the existing signal equipment and with minor recommended equipment enhancements. Engineering judgment shall be used to select the final plan to be recommended for implementation.
- Implementation - The approved optimization plan shall be placed in operation and any necessary fine-tuning adjustment shall be made.
- Evaluation - A study of the effectiveness of the optimization plan shall be conducted. Benefits shall be estimated in terms of travel delay reductions, fuel savings, and reduction in carbon monoxide emissions.

Recommendations for further enhancements to the optimization plan and/or equipment modifications may be requested for locations where the operation is still unsatisfactory.

The department will furnish manuals, plans, or any other available information. The completion date for this contract will be 24 months after authorization to proceed.

The Consultant shall be prepared to provide technical assistance on signal coordination issues at the department's request.

Key personnel on **Exhibit A** for this project must include:

- The person who will assume the duties of the Project Manager for all aspects of the work documents, must be an Illinois Licensed Professional Engineer;
- The person who will perform the duties of the Project Engineer, that individual in charge who is directly involved in the development of the contract documents, must be an Illinois Licensed Professional Engineer;

- The person(s) who will perform the work necessary to prepare traffic signal coordination and timing operation plans;
- The person(s) who has the necessary expertise with traffic signal equipment and who will recommend equipment enhancements, implement the optimization plans, and recommend any fine-tuning adjustments;
- The person(s) who will conduct the evaluation of the optimization plans; and
- The person, who will perform the QC/QA review work of all milestone submittal documents (must be an Illinois Licensed Professional Engineer).

Consultants are required to provide a brief outline of proposed procedures to be used to accomplish the project objectives with the statements of interest. Consultants are also required to furnish a list of completed traffic signal system coordination and timing projects done in the last five years.

The prime firm must be prequalified in the **Special Studies: Signal Coordination & Timing (SCAT)** category to be considered for this project.

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).

30. **Job No. D-60-032-15, Traffic Signal Coordination and Timing (SCAT), Various Projects, Various Routes, Various Counties, Districts Six, Seven, Eight, and Nine, Bureau of Operations.**

The **Complexity Factor** for this project is **0.035**.

The Consultant who is selected for this project and all subconsultants, the prime Consultant will be using are scheduled to attend a negotiation meeting on **July 28, 2014 at 11:00 A.M.** at the Central Bureau of Operations office in **Springfield**.

Engineering services are required to ensure signal optimization is achieved at various isolated traffic signal and traffic signal system locations within Districts 6, 7, 8, and 9. Work orders under the blanket agreement will be negotiated and authorized by the department on an as needed basis.

The project will include accomplishment of one or more of the following tasks for each selected location:

- Data Collection - Field collection of traffic counts, turning movements, signal phasings, signal timings, equipment inventory, and other data needed to qualify existing operating conditions and determine signal optimization alternatives.
- Data Analysis - Appropriate computer models such as HCS, SIGNAL, Synchro, TRANSYT 7F, PASSER II, and CORSIM shall run on the database for each of the selected locations. Recommendations for optimal signal operation plans shall be generated utilizing the existing signal equipment and with minor recommended equipment enhancements. Engineering judgment shall be used to select the final plan to be recommended for implementation.
- Implementation - The approved optimization plan shall be placed in operation and any necessary fine-tuning adjustment shall be made.
- Evaluation - A study of the effectiveness of the optimization plan shall be conducted. Benefits shall be estimated in terms of travel delay reductions, fuel savings, and reduction in carbon monoxide emissions.

Recommendations for further enhancements to the optimization plan and/or equipment modifications may be requested for locations where the operation is still unsatisfactory.

The department will furnish manuals, plans, or any other available information. The completion date for this contract will be 24 months after authorization to proceed.

The Consultant shall be prepared to provide technical assistance on signal coordination issues at the department's request.

Key personnel on **Exhibit A** for this project must include:

- The person who will assume the duties of the Project Manager for all aspects of the work documents, must be an Illinois Licensed Professional Engineer;

- The person(s) who will perform the duties of the Project Engineer, that individual in charge who is directly involved in the development of the contract documents, must be an Illinois Licensed Professional Engineer;
- The person(s) who will perform the work necessary to prepare traffic signal coordination and timing operation plans;
- The person(s) who has the necessary expertise with traffic signal equipment and who will recommend equipment enhancements, implement the optimization plans, and recommend any fine-tuning adjustments;
- The person(s) who will conduct the evaluation of the optimization plans; and
- The person who will perform the QC/QA review work of all milestone submittal documents (must be an Illinois Licensed Professional Engineer).

Consultants are required to provide a brief outline of proposed procedures to be used to accomplish the project objectives with the statements of interest. Consultants are also required to furnish a list of completed traffic signal system coordination and timing projects done in the last five years.

The prime firm must be prequalified in the **Special Studies: Signal Coordination & Timing (SCAT)** category to be considered for this project.

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).

31. **No. D-60-033-15, Statewide Sign Structure Inspection, Various Projects, Various Routes, Various Counties, Various Districts, Bureau of Operations.**

This project requires **10% DBE** participation.

The **Complexity Factor** for this project is **0.035**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend a negotiation meeting on **July 29, 2013 at 10:00 A.M.** at the Central Bureau of Operations office in **Springfield**.

The scope of this project consists of planning, organizing and performing detailed structural inspections on simple aluminum span trusses, aluminum cantilever trusses, Vierendeel type steel span trusses, Vierendeel type steel cantilever trusses and bridge mounted sign structures. The number of overhead sign structures to be inspected is approximately 160. The detail structural inspection shall include rating of all components, evaluation of conditions and preparation of an inspection report including a prioritized summary of repairs. The use of ultrasonic testing equipment to spot check the wall thickness of end supports for aluminum trusses and the chords for Vierendeel steel trusses will be required. Work Orders, by district, under the blanket agreement will be negotiated and authorized by the department on an as needed basis.

The Consultant shall provide all manpower, equipment, vehicles, materials, and the appropriate traffic control for each structure to satisfactorily complete the work. The work shall be done in accordance with the Sign Structure Inspection Manual, the Manual on Uniform Traffic Control Devices and any department policies or procedures governing the work.

Except when otherwise permitted by the Engineer, trusses shall be inspected by mounting them from the shoulder. This will require shoulder closure in accordance with Highway Standards 212-701101-04 or 212-7011.02 and as directed by the Engineer. Freeway lane closures for truss inspection shall be kept to a minimum and will only be permitted by the Engineer on a case by case basis where roadway geometry, traffic and other conditions dictate.

The inspector should have basic knowledge of sign truss nomenclature, experience in structural inspection, and be able to read and interpret shop drawings, be physically able to work at heights, operate an automatic camera and other specialized testing equipment. The Consultant should have a licensed Structural Engineer who has the expertise in welding and weld details on sign structures and is capable of making recommendations on structural repairs.

The completion date for this contract will be 12 months after authorization to proceed.

Key personnel listed on **Exhibit A** for this project must include:

- The person who will assume the duties of Project Manager for all aspects of the work documents (must be an Illinois Licensed Professional Engineer).
- The person who will perform the duties of Project Engineer, that individual in charge who is directly involved in the development of the contract documents (must be an Illinois Licensed Professional Engineer).

- The person who will perform the work in the area of structure plan preparation documents (must be an Illinois Licensed Professional Engineer.). In addition, the staff performing this work must be identified.
- The person who will perform the QC/QA review work of all milestone submittals (must be an Illinois Licensed Professional Engineer for roadway work and must be an Illinois Licensed Structural Engineer for structural work with adequate plan review experience).

The prime firm must be prequalified in the **Structures (Highway: Typical)** category to be considered for this project.

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).

**32. D-60-034-15, District 1 Sign and Tower Structure Inspections, Various Projects, Various Routes, Various Counties, Bureau of Operations.**

This project requires **10% DBE** participation.

The **Complexity Factor** for this project is **0.035**.

The Consultant selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend a negotiation meeting on **July 29, 2014 at 2:00 P.M.** at the Central Bureau of Operations Office in Springfield.

Engineering services are required for the inspection of sign and tower structures and for the collection of data and the development of reports. Work orders under the blanket agreement will be negotiated and authorized by the department on an as needed basis.

Except when otherwise permitted by the Engineer, trusses shall be inspected by mounting them from the shoulder. This will require shoulder closure in accordance with District 1 Detail TC-17 and as directed by the Engineer. The appropriate traffic control shall be provided for each High Mast Lighting Tower to be inspected. Freeway lane closures for truss inspection shall be kept to a minimum and will only be permitted by the Engineer on a case by case basis where roadway geometry, traffic and other conditions dictate. The Consultant shall request and gain approval from the Illinois Department of Transportation's Expressway Traffic Operations Engineer at [www.idotlcs.com](http://www.idotlcs.com) twenty-four (24) hours in advance of all daily lane, ramp and shoulder closures and one week in advance of all permanent and weekend closures on all Freeways and/or Expressways in District One. This advance notification is calculated based on workweek of Monday through Friday and shall not include weekends or Holidays. Shoulder closures or partial ramp closures (per attached TC-17) will not be permitted on weekdays (Monday thru Friday) from 5:00 a.m. to 9:00 a.m. and from 3:00 p.m. to 7:00 p.m. Lane closures are normally not permitted during the day. Exact hours will be determined by the Expressway Traffic Operations Engineer.

**Overhead Sign Structure Inspections**

Overhead Sign Structures Phase 1, Data Collection is expected to consist of performing a detailed structural inspection of all components of an overhead sign structure.

- The department will typically provide:
  - List of overhead sign structures to be inspected complete with structure inventory number and location.
  - List of district contacts.
  - Sample copy of inspection reports, if needed.
  - Copy of the Illinois Highway Design Standards for Traffic Control, if needed.
- The Consultant work is expected to consist of:
  - Proposed inspection schedule.
  - Progress report effective the 1<sup>st</sup> of the month, submitted by the 10<sup>th</sup> with written narratives to discuss work completed the past month and work expected the following month.
  - Trained manpower, equipment, vehicles, and materials to complete the detailed inspections and necessary nondestructive testing.
  - The appropriate traffic control for each structure is to be inspected.

- Computerized database, compatible with the department's computer programs, for each structure inspected.
- Photographs of typical deteriorated overhead sign structure components.
- Draft copy of a completed overhead sign structure inspection report.
- The necessary equipment to systematically spot check the wall thickness of suspected deteriorated supports.

Overhead Sign Structures Phase 2 – Data Analysis is expected to consist of using the data collected for each overhead sign structure inspected. The Consultant is required to complete the inspection report form, rating all components of the overhead sign structure and evaluating the overall condition of the structure. Also, using the data collected the Consultant is expected to provide a comprehensive report. The report shall prioritize the inspected structures for repair. Two (2) copies of the report, in hard copy and in electronic media, including digital pictures in JPG format, shall be submitted.

All data collected and used in the analysis of the overhead sign structures and a copy of the computer database developed will be given to the department.

### **High Mast Lighting Tower**

High Mast Tower Lighting Phase 1 Data Collection is expected to consist of performing a detailed structural inspection of all components of a High Mast Lighting Tower including foundation. The inspection shall be based on and in accordance with Federal Highway Administration (FHWA NHI 05-036) Guidelines on the Inspection and Maintenance of Ancillary Highway Structures. Inventory data shall be collected which includes date of installation, manufacturer, installation contractor, plate thickness, number of anchor rods, anchor rods diameter, rodent screen/grout pad, tower material, tower coating, type of tower splices, Distance between bottom of leveling nut and top of foundation, light fixtures, camera and miscellaneous attachments etc. Location information and GPS in Latitude and Longitude (decimal degrees) shall be collected in the specified format, and non-destructive tests performed, per listed requirements.

The department will typically provide:

- List of High Mast Lighting Tower to be inspected complete with Tower inventory number and location.
- List of district contacts.
- Sample copy of inspection reports.
- Copy of the Illinois Highway Design Standards for Traffic Control, if needed.
- Templates in electronic form

The Consultants work is expected to consist of:

- Proposed inspection schedule. Work and access must be coordinated with IDOT Electrical Maintenance Contractor.
- A Structural analysis by Structural Engineer and all reports shall be stamped with his/her license.
- A Professional Engineer registered in the State of Illinois who has taken the NHI/FHWA course "Inspection and Maintenance of Ancillary Highway Structures" with five years' experience to conduct the inspections.



- Progress report effective the 1<sup>st</sup> of the month, submitted by the 10<sup>th</sup> with written narratives to discuss work completed the past month and work expected the following month.
- Manpower, equipment, vehicles, and materials to complete the detailed inspections.
- The necessary equipment to spot check the wall thickness and measure each flat side on the tower 2" above base plate and one at 12" from base plate.
- The necessary equipment to perform ultrasonic testing, and conduct an ultrasonic test of all anchor rods.
- A test of suspected welds and deteriorated welds with dye penetrant.
- The appropriate traffic control per IDOT Traffic Control specifications for each High Mast Lighting Tower to be inspected.
- Excel database, on a Windows based platform or as approved by the Engineer, for all Towers inspected. To facilitate reporting and prioritization of repairs. Database shall be developed that will allow printed reports that prioritize needed repairs and /or maintenance. File folders with all hard copy of the forms filled out, completed records and documentation for each tower with photographs stamped by a structural Engineer. Including a PDF file of each lighting tower, with the location and tower decal number submitted on a CD.
- Digital photographs of deteriorated High Mast Lighting Tower components; Identified by tower location and decal number shall be linked / tagged to the database.
- Draft copy of a completed High Mast Lighting Tower inspection report.
- A handheld mapping grade GPS device shall be used for the data collection. GPS coordinates of High Mast Lighting Tower, datum to be used shall be North American 1983. Prior to the collection of data, the contractor shall provide a sample data collection of at least six data points of known locations to be reviewed and verified by the Engineer to be accurate within 3 feet. The receiver shall support differential correction and data shall have minimum sub-meter accuracy after post processing. The device may also utilize Differential GPS to obtain the specified accuracy. Upon verification, data collection can begin.

GPS receivers integrated into cellular communication devices, recreational and automotive GPS devices are not acceptable. The GPS shall be the product of an established major GPS manufacturer having been in the business for a minimum of 6 years. The manufacturer and model of the GPS device shall be identified as well as any software used on the device and in post processing.

Using the data collected for each High Mast Lighting Tower inspected the Consultant shall complete the inspection report form, rating all components and evaluating the overall condition of the High Mast Lighting Tower. The rating shall show reliability as good, fair, poor and critical as specified under FHWA.

Using the data collected, a comprehensive report shall be prepared. The report shall prioritize the inspected High Mast Lighting Tower for repair. Two (2) copies of the report, in hard copy and in electronic media, shall be submitted with the templates provided by IDOT with all fields filled out and completed for each tower.

- All data collected and used in the analysis of the High Mast Lighting Tower and a copy of the computer database developed will be given to the department.
- The GPS shall be included in the report and shall be provided separately in an electronic format that shall be compatible with MS Excel. Latitude and Longitude shall be in decimal degrees with a minimum of 6 decimal places.

- The report shall provide recommendations for repair; time frame and priority rating of the repair for each component any critical repairs required must be clearly identified.
- A summary report/letter shall be provided with required maintenance recommendations for all High Mast Lighting Tower inspection and analysis.

Completion date for this contract will be 12 months after authorization to proceed.

Key personnel listed on **Exhibit A** for this project must include:

- The person who will assume the duties of Project Manager for all aspects of the work documents (must be an Illinois Licensed Professional Engineer).
- The person who will perform the duties of Project Engineer, that individual in charge who is directly involved in the development of the contract documents (must be an Illinois Licensed Professional Engineer).
- The person who will perform the work in the area of structure plan preparation documents (must be an Illinois Licensed Professional Engineer). In addition, the staff performing this work must be identified.
- The person who will perform the QC/QA review work of all milestone submittals (must be an Illinois Licensed Professional Engineer for roadway work and must be an Illinois Licensed Structural Engineer for structural work with adequate plan review experience).

The prime firm must be prequalified in the **Structures (Highway: Typical)** category to be considered for this project.

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).

- The report shall provide recommendations for repair; time frame and priority rating of the repair for each component any critical repairs required must be clearly identified.
- A summary report/letter shall be provided with required maintenance recommendations for all High Mast Lighting Tower inspection and analysis.

Completion date for this contract will be 12 months after authorization to proceed.

Key personnel listed on **Exhibit A** for this project must include:

- The person who will assume the duties of Project Manager for all aspects of the work documents (must be an Illinois Licensed Professional Engineer).
- The person who will perform the duties of Project Engineer, that individual in charge who is directly involved in the development of the contract documents (must be an Illinois Licensed Professional Engineer).
- The person who will perform the work in the area of structure plan preparation documents (must be an Illinois Licensed Professional Engineer). In addition, the staff performing this work must be identified.
- The person who will perform the QC/QA review work of all milestone submittals (must be an Illinois Licensed Professional Engineer for roadway work and must be an Illinois Licensed Structural Engineer for structural work with adequate plan review experience).

The prime firm must be prequalified in the **Structures (Highway: Typical)** category to be considered for this project.

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).

NOTICE

Consultant Prequalification News

February 1, 2014

The Engineering Prequalification & Agreement System (EPAS) has been modified to indicate when the Statement of Experience and Financial Condition (SEFC) Prequalification submittal is required. Firms which do not submit by the deadline (due date is 6 months after the firm's fiscal year end date) will be marked as "Not Approved" and the main contact in EPAS will be sent an e-mail.

**There have been modifications to the Prequalification Categories:**

An additional Hazardous Waste Category has been added. The Categories will be:

**Hazardous Waste: Simple**, the requirements will not be as complex as the current requirements.

and

**Hazardous Waste: Advance**, the requirements for prequalification will be the same as the current Hazardous Waste Requirements

The categories for Structures: Major River Bridges:

- Steel Girder
- Tied Arch
- Segmental Concrete Box Girders
- Continuous Cantilever Truss
- Cable Stayed Girders

Are being removed and will be replaced with one category, **Structures: Major Bridges**.

All firm's interested in becoming prequalified in the new categories, must request consideration in the new categories. If the firm will be doing a New SEFC then new categories can be selected at that time. If not doing the New SEFC then use the Amend option and select the new Categories.

For firm's currently prequalified in Hazardous Waste, your firm will automatically be prequalified in the Hazardous Waste: Advance category. Firms will be required to request the Hazardous Waste: Simple category. When completing the Hazardous Waste Simple Questionnaire, state the Firm is currently prequalified in Hazardous Waste and all information is located in Hazardous Waste: Advance Questionnaire.

For the New Structures Category, Structures: Major Bridges. All interested Firms will have to request and complete the questionnaire in EPAS. The new categories are available to be selected in EPAS.

The Description and Minimum Requirements is being updated and will be available shortly on the website with the information for the new categories. Go to Doing Business, Consultant Services, Consultant Prequalification and Select Description and Minimum Requirements:  
<http://www.dot.il.gov/desenv/preqcons.html>

# Notice

## Reminder for Payroll Rate Sumbittal

To avoid delays and expedite the agreement process it is critical to use the latest forms. Go to the IDOT website and use the latest form for updating the firms Payroll Rates. **Do Not use existing forms.** [Escalation Template](#) Revised 10/13.

Additional Information for the Cost Estimates and Consultant Services is available on the website:

<http://www.dot.il.gov/desenv/escalationmaterials.html>

### CECS and Supporting Documents

*To open Microsoft Office Excel 2007 .xlsx or .xlsm files with Microsoft Office Excel 2003, Excel 2002, or Excel 2000, you need to install the [Microsoft Office Compatibility Pack for 2007 Office Word, Excel and PowerPoint File Formats](#) and any necessary Office updates. By using the Compatibility Pack for the 2007 Office system, you can open, edit some items, and save Office Excel 2007 documents in previous versions of Excel.*

*If you have questions regarding the CECS and Supporting Documents please email:  
[DOT.Escalation@illinois.gov](mailto:DOT.Escalation@illinois.gov)*

#### Tips & Tools

- [BDE 435: Payroll Rates QA Check Sheet](#) Rev. 3/3/09
- [BDE 436: Direct Costs Check Sheet](#) Rev. 9/30/13
- Cost Estimate for Consultant Services Worksheets
  - [Anniversary Cost Plus](#) Revised 4/13/09
  - [Anniversary Direct Labor Multiple \(2.85\)](#) Revised 01/07
  - [Anniversary Direct Labor Multiple \(2.80\)](#) Revised 01/07
  - [Anniversary Direct Labor Multiple](#) Revised 01/07
  - [Fixed Cost Plus](#) Revised 4/13/09
  - [Fixed Direct Labor Multiple \(2.85\)](#) Revised 01/07
  - [Fixed Direct Labor Multiple \(2.80\)](#) Revised 01/07
  - [Fixed Direct Labor Multiple](#) Revised 01/07
- [Escalation Template](#) Revised 10/13
- [State Mileage Reimbursement Rates](#)

# NOTICE:

Now available on the internet:

- Templates for Quarterly and Final Mentor-Protégé Reports.
- Mentor-Protégé Implementation has been revised.
- Assessment Templates for the Mentor and Protégé are also available.

See : <http://www.dot.il.gov>

Doing Business  
Consultant Services  
Mentor-Protégé Program

Illinois Department of Transportation  
Ann L. Schneider, Secretary

Google Custom Search

Home Directory

TRAVELING PUBLIC | MAPS | PROJECTS | ROAD CLOSURES | NEWS | DOING BUSINESS | LETTING & BIDDING | CAREERS @ IDOT | GENERAL INFO

Engineering Consultant Mentor Protégé Program

The documents contain guidelines, implementation and a sample development plan information regarding IDOT's Mentor Protégé program for engineering consultants.

[Secretary Hannig's Announcement](#)

[Mentor Protégé Implementation - Revised April 2013](#)

[Mentor Protégé Guidelines - Revised February 2013](#)

[Frequently Asked Questions](#)

**OTHER RESOURCES**

Accountability  
Amtrak  
Bicycling  
Chief Procurement Office  
County Engineers  
Events  
Environment  
High Speed Rail  
IDOT Safety  
Illiana Corridor  
Inspector General  
IPASS  
Diversity Matters!  
Motorcycling

**Template**

[Plan Check List](#)

[Plan Approval Letter Template](#)

[Phase I Mentor Protege Example Template](#)

[Phase II Mentor Protege Example Template](#)

[Phase III Mentor Protege Example Template](#)

[Quarterly Report](#)

[Final Report](#)

[Mentor Assessment](#)

[Protégé Assessment](#)

## **NOTICE 2-26-13**

This requirement is **NOT** a criteria for Selection.

For PTB 166 and all subsequent PTB's and related supplements:

**TRAINING/APPRENTICESHIP PROGRAMS.** The CONSULTANT and all CONSULTANT's subcontractors must participate in applicable apprenticeship and training programs approved by and registered with the United States Department of Labor's Bureau of Apprenticeship and Training for all on-site construction related activities, including material testing and drilling, performed by laborers, workers and mechanics. For purposes of this Agreement, engineers, architects and land surveyors are considered "professional services" as defined in Section 30-15 of the Procurement Code and are not considered laborers, workers or mechanics. With respect to material testing and drilling, these requirements do not apply where the work is performed in a county without a prevailing wage classification for material testing as provided by the Illinois Prevailing Wage Act, 820 ILCS 130/1 *et seq.*

For the listing of prevailing wage classifications within a county, go to  
<http://www.state.il.us/agency/idol/rates/rates.HTM>



# NOTICE

## EPAS

### ELECTRONIC SUBMITTALS -- Update

2-8-13

#### Submit all Statements of Interest through EPAS.

Hard Copies and/or E-mailed Statements of Interest will not be accepted.

The instructions regarding submittals for EPAS are located under the IDOT website, Doing Business, Consultant Services, Consultant Prequalification.

<http://www.dot.il.gov/desenv/pregcons.html> Please refer to the manual for Statement of Experience and Financial Condition and Statements of Interest submittal processes.

EPAS will not allow incomplete or partial submittals. It will not allow submittals after the cutoff time. Do not wait to start this process. I strongly encourage review of the manual and completing as soon as possible.

The status of the firm's Statements of Interest submittal can be viewed in EPAS. Status should say submitted, if the status is in progress it has not been submitted.

For Specialty Consultant firms not currently prequalified and that wish to submit on specialty items, such as the items in this bulletin for the Bureau of Materials and Physical Research and the Painting Inspection for District One, please contact [Carrie.Kowalski@illinois.gov](mailto:Carrie.Kowalski@illinois.gov) to establish an EPAS account.

#### Statement of Experience and Financial Condition

All updates to Statement of Experience and Financial Condition are required to be completed through the Engineering Prequalification Agreement System (EPAS).

THE DEPARTMENT **WILL NOT** ACCEPT PAPER VERSIONS. This includes staffing updates, category requests, change in address, etc.


After a firm is prequalified and approved, it can be updated by amending the SEFC application. Logon to EPAS, select amend, and be specific in the text as to what is being revised. Revise the Statement of Experience and Financial Condition application and when completed, submit to IDOT for review.

Only one active application at time can be done. If there is data in the IDOT queue to be reviewed, an update cannot be done until IDOT has completed its review. If the application is in the firm's queue and says in progress that means it has not been submitted to IDOT. The summary and submit and the approval box must be completed by the firm. When the application says submitted, then it's been sent to IDOT for review.


# Notice

## EPAS INFORMATION

Selecting Help on EPAS will bring up the following screen. There are directions, links to consultant related sites, contact information, and a Latest News section, which has been created to allow notifications to be posted in one location.

**Illinois Department of Transportation**  
Ann L. Schneider, Secretary

*Engineering Prequalification and Agreement System*

**State of Illinois**  
Pat Quinn, Governor

### Welcome to the EPAS System

The **Professional Transportation Bulletin** is the official notice of needed professional services for the Illinois Department of Transportation.

This bulletin is sent to each professional consultant on IDOT's prequalified list. A Professional firm who is not prequalified may obtain the necessary information to become prequalified from the IDOT website on the Consultant Prequalification page.

The PTB is not an invitation for bids. Firms properly prequalified for any of the projects listed within the PTB may indicate their desire to be considered for selection by submitting a Statement of Interest (SOI) for the project using the Engineering Prequalification and Agreement System (EPAS). For further information regarding PTB's, visit the Consultant Services Professional Transportation Bulletins page.

IDOT shall not discriminate based on race, color, national origin, or sex in the award and performance of any DOT-assisted contract or in the administration of its DBE Program or the requirements of 49 CFR part 26. IDOT shall take all necessary and reasonable steps under 49 CFR part 26 to ensure nondiscrimination in the award and administration of DOT-assisted contracts.

The selection of professional consultants by IDOT is not based on competitive bidding but on the firm's professional qualifications, experience, and expertise of key personnel to be assigned to the project with consideration also given to:

1. Ability to complete the work in the time required and the firm's existing workload.
2. The firm's proximity to the project, when important.
3. Extent of work, which must be subcontracted by the firm and their proposed method of accomplishing the project objectives.
4. Financial evaluation of the firm and its accounting methods.
5. Performance rating for past work done for IDOT, if applicable.

All members of the Consultant Selection Committee will be **unavailable** to discuss specifics of projects listed within a PTB during the two-week period preceding the Selection Committee Meeting for that PTB.



#### Latest News

- + Professional Transportation Bulletin 167 will be published shortly. To be notified when the PTB is available on the web site and for any other consultant related issue the firms should subscribe to the subscription service for Bureau of Design and Environment Consultant Engineering Electronic Subscription Service. 

#### General

- + [Doing Business](#)
- + [Design & Environment Manuals](#)
- + [Design & Environment Forms](#)
- + [Subscription Services](#)
- + [EPAS Instruction Manuals](#)
- + [EPAS FAQ's](#)

#### SEFC

- + [SEFC Information](#)
- + [Illinois Certification Program](#)

#### PTB

- + [SOI Instructions](#)
- + [Professional Transportation Bulletin](#)
- + [Consultant Mentor-Protege Program](#)
- + [Notice of Contract Awards](#)
- + [State Board of Elections](#)

#### Contact Us

**Send correspondence to:**  
Illinois Department of Transportation  
2300 S. Dirksen Parkway  
Springfield, IL 62764

**Business Policy Questions**  
Contact: [Carrie Kowalski](#) 

**System Related Questions**  
Contact: [EPAS Mailbox](#) 

**NOTICE**  
ILLINOIS STATE BOARD OF ELECTIONS (SBE) CERTIFICATE  
November 8, 2012

The requirement of including the State Board of Elections Certificate (SBE) with each Statement of Interest is no longer required.

Firms are required to be registered with the State Board of Elections.

To register go to <http://www.elections.state.il.us/Default.aspx>

The Chief Procurement Office will verify that all selected firms are registered. Firm's not registered may not be awarded the contract.

## **ELECTRONIC PLAN SUBMITTAL**

The Department of Transportation is in the process of implementing an electronic bidding process. In preparation of the new bidding process, the electronic submittal of plans from each District office to the Central Bureau of Design and Environment is being implemented. Effective for the March letting in addition to the paper copies required by each District, all contract plans and specifications will have to be submitted electronically to the District office. Please reference the CADD ROADWAY AND STRUCTURE PROJECT DELIVERABLES POLICY for information on the electronic submittal.

The policy is available on our website under doing business/ consultant services/ CADD Roadway Guideline or a this link <http://www.dot.il.gov/desenv/caddref.html> .

As a reminder CADD related files ( dgn & gpk) are also required at the time of plan submittal to the District office. If you have any questions regarding electronic plan submittal, please contact the CADD supervisor in the appropriate District.

# **SB 51 Rules**

## **Impacts**

- Reporting is required on all communications with outside entities that do or want to do business with a state employee if the conversation is procurement specific.
- IDOT immediately recognizes the issues with reporting publically procurement conversations.
- IDOT stopped scheduling meetings with outside entities about future procurements.

## **SB 51 Communications Reporting Aftermath**

- Two long years pass
- Firm/vendors hire and lose talent
- Firm/vendors purchase new technology
- Firm/vendors develop other relationships

## **SB 51 Communications Report Relief**

- Senator Harmon has a task force that is looking at the procurement reform legislation to see if additional changes to the procurement laws are appropriate.
- Task force will continue their work through the summer.
- No action to date.

## **New Rules**

- IDOT staff determines their schedule.
- Firm/vendor must provide an agenda two days before the meeting.
- Consulting firm/firm/vendor must take notes.
- All IDOT employees should also take notes.
- Outside entities must sign an OCC 2500 Form that they are aware of the communications reporting laws and will adhere to all of IDOT's policies.
- Lobbyists of firm/vendors are not prohibited from attending these scheduled meetings since no reportable discussions are to take place. Meetings with lobbyists are permissible as long as these rules are followed.
- No meetings less than two weeks before a Selection Committee Meeting or construction letting.
- All notes, the form signed by the firm/vendor and the agenda provided should be retained by the IDOT employee that scheduled the meeting.

### **▪ Discussions are limited to:**

- Firm/vendor personnel
- Firm/vendor past experience
- Work done for local agencies, other state agencies or other states
- Technology
- Goods or Services performed by firm/vendor

### **▪ NO PROCUREMENT DISCUSSION – PERIOD**

- If procurement discussions occur, we take firm/vendors notes, add ours as necessary and post them on the internet.
- If procurement discussions occur, firm/vendor may be barred from meeting with anyone from IDOT for a year.

## Notice

### Documentation of Contract Quantities Class

Since July 2008, the "Documentation of Contract Quantities" class and re-tests have been administered by the University of Illinois- Illinois Center for Transportation, and coordinated by Mary J. Fries of the University of Illinois. The Illinois Center for Transportation (ICT) is an innovative partnership between IDOT and the University of Illinois at Urbana-Champaign (UIUC). All transactions and correspondence will now be through ICT and no longer with the Illinois Department of Transportation (IDOT) Central Bureau of Construction. Fees are now being charged for all classes and retests and will be required at the time of registration. Mary J. Fries can be contacted at [mjfries@illinois.edu](mailto:mjfries@illinois.edu) or (217)552-2432. Course and retest dates typically take place from November through April.

For consultant and local agency enrollment, as well as answers to frequently asked questions (FAQ), the "Documentation of Contract Quantities" is located at the U of I training website [http://ict.illinois.edu/home/documentation\\_certification.html](http://ict.illinois.edu/home/documentation_certification.html).

Typically, in late September/early October the class schedule for the next fall/winter/spring's Documentation of Contract Quantities classes is posted. Also, firms can sign up for an automatic email reminder via ICT's website (see "Join Notification List") whenever new information is posted on their website.

# NOTICE

## METHOD OF PAYMENT

Effective 01-26-11

All future projects, beginning with PTB 159, will utilize the **Cost Plus Fixed Fee (CPFF)** method of compensation.

CPFF formula:

Compensation = DL+DC+OH+FF

**Where FF:**

For Prime Agreements is:

$(0.37 + R)DL + \%DL$

When % is:

1 or 2 sub-consultants = 10% of Direct Labor (DL) of Subs

3 or 4 sub-consultants = 12% of Direct Labor (DL) of Subs

5 or more sub-consultants = 15% of Direct Labor (DL) of Subs

For Sub-Consultants

$(0.37 + R)DL$

**Where:**

R= Complexity Factor: 0, 0.035, or 0.07

DL = Direct Labor

DC= Direct Cost

OH= Overhead Rate

# **Notice Of IDOT ELECTRONIC ENGINEERING CONSULTANT SUBSCRIPTION SERVICE November 10, 2010**

To receive updates related to the Prequalification of Consultant Engineering Firms, the Publishing of the Professional Transportation Bulletin, or other information related to Consultant Engineering through the free subscription service; please follow the instructions for subscribing. The information for both these items will be automatically e-mailed to the subscriber upon release.

Located at: <http://www.dot.il.gov/desenv/ptbsubsc.html>

## **Instructions to Subscribe**

*Please Note:*

*By subscribing to the IDOT-PTB list, you will receive both the Prequalification of Consultant Engineering Firms list as well as the Professional Transportation Bulletin*

Prepare an e-mail to the IDOT Subscription Server by using the following e-mail address as noted below:

1. Address the e-mail message to: [subscribe-dot-ptb@lists.illinois.gov](mailto:subscribe-dot-ptb@lists.illinois.gov)
2. Send message
3. A confirmation e-mail will be sent to the subscriber asking them to reply or click a link.

## **Instructions to Unsubscribe**

Prepare an e-mail to the IDOT Subscription Server by using the following e-mail address as noted below:

1. Address the e-mail message to: [unsubscribe-dot-ptb@lists.illinois.gov](mailto:unsubscribe-dot-ptb@lists.illinois.gov)
2. Send the message.
3. A confirmation e-mail will be sent to you removing you from the subscription list.



Return To: Cement and Concrete Reference Laboratory  
At NIST  
100 Bureau Drive, Stop 8616  
Gaithersburg, Maryland 20899-8618  
Phone: 301-975-6704  
Fax: 301-975-2243  
Email: [ccrl@nist.gov](mailto:ccrl@nist.gov)

**APPROVAL TO RELEASE CCRL PROFICIENCY SAMPLE RESULTS TO:**

Name: Mark Gawedzinski, BMPR Pre-Qualification Coordinator  
Company: Illinois Department of Transportation  
Bureau of Materials and Physical Research  
Address: Springfield, Illinois  
Email Address: [mark.gawedzinski@illinois.gov](mailto:mark.gawedzinski@illinois.gov)  
Phone: 217-782-2799

For:

Laboratory Name: \_\_\_\_\_  
Address: \_\_\_\_\_

Phone Number: \_\_\_\_\_  
CCRL Laboratory Number: \_\_\_\_\_

I hereby give permission to CCRL to release copies of proficiency sample reports:

\_\_\_\_\_  
Signature (mandatory)      Date

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
Print Title

\_\_\_\_\_  
E-mail Address

This release remains in effect as long as this laboratory participates in the CCRL proficiency sample program.

NOTICE  
Effective January 24, 2008

Illinois Department of Transportation  
Requirements for Verification of Quality Assurance Consultants Enrollment in  
the AMRL Proficiency Assessment Program

As part of the prequalification process, Consultants wanting to become precertified as a Quality Assurance Consultant must be enrolled in the AASHTO AAP Proficiency Assessment Program. IDOT now requires consultants enrolled in the program allow IDOT access to their proficiency ratings via the AASHTO AMRL web site. In order to meet the terms of this requirement, as part of the prequalification process, each consultant is directed to the AASHTO web site at:

<http://amrl.net>

Log in to the site as you would to report your firms' proficiency assessment results. Once the firm has logged into the AASHTO web site, complete the following steps:

- Select the black "My Lab" tab at the top of the page.
- Then Under Lab Account in the left column, select Manage PSP Specifiers.
- Select Add New Specifier and then from the dropdown list, select IL Dept of Transportation.
- Select Configure Enrollment Specifiers.
- Make the following samples available for evaluation with unlimited time periods:

AASHTO (Illinois Modified)	ASTM	Description
<b>AGGREGATES</b>		
T 11 (IL)	C117	75-µm (No. 200) by Washing
T 27 (IL)	C136	Sieve Analysis of Fine and Coarse Aggregates
T 84 (IL)	C128	Specific Gravity and Absorption of Fine Aggregate (Slag Labs Only)
T 85 (IL)	C127	Specific Gravity and Absorption of Coarse Aggregate (Slag Labs Only)
<b>HOT-MIX ASPHALT</b>		
T 166 (IL)	D2726	Bulk Specific Gravity
T 209 (IL)	D2041	Maximum Specific Gravity
T 312 (IL)		Superpave Gyratory compaction
T 308 (IL)		Asphalt Binder Content by Ignition
<b>CONCRETE</b>		
T 22 (IL)	C 39	Compressive Strength of Cylinders
T 23 (IL)	C 31	Making and Curing Test Specimens in the Field
T 119 (IL)	C 143	Slump
T 121 (IL)	C 138	Weight, Yield, and Air Content
T 126 (IL)	C 192	Making and Curing Test Specimens in the Laboratory
T 152 (IL)	C 231	Air Content-Type A or B Pressure Method
T 196 (IL)	C 173	Air content by Volumetric Method (if performed)

- Select Next
- Select Finish

IDOT AMRL Proficiency Verification  
Page 2

Once the process is complete, consultants will no longer be required to submit AASHTO AMRL Proficiency Results as part of the prequalification process.

Contact the Consultant Services Unit of the Illinois Department of Transportation, Bureau of Design and Environment at (217)-782-6916 or the Bureau of Materials and Physical Research at (217) 782-7200 if you require additional information.

David L. Lippert, P.E.  
Engineer of Materials  
And Physical Research

## **Notice for Department Manuals, Memorandums, & Rules**

The following is available on our website: <http://www.dot.il.gov/dobuisns.html>

- [Aeronautics Part 14 Aviation Safety Rules](#)
- [Aeronautics Part 16 Airport Hazard Zoning Rules](#)
- [All Bridge Designer Memoranda](#)
- [Bureau of Bridges and Structures Documents, Manuals and Procedures](#)
- [Bureau of Construction Current Construction Memorandums](#)
- [Bureau of Design and Environment Manuals & Memorandums](#)
- [Bureau of Land Acquisition Policies and Procedures Manual Updates](#)
- [Coded Pay Items](#)
- [CREATE Manuals](#)
- [Land Acquisition Manual](#)
- [Bureau of Local Roads Circular Letters](#)
- [Bureau of Local Roads Manual](#)
- [Bureau of Safety Engineering Programs, Policies & Manuals](#)
- [Construction Manual](#)
- [Geotechnical Documents Manuals and Procedures](#)
- [Government Electronic Records Act](#)
- [IDOT Drainage Manual](#)
- [Illinois Highway Info System Roadway Info & Procedure Manual](#)
- [Illinois Highway Info System Structure Info & Procedure Manual](#)
- [Illinois Highway Info System Railroad Info & Procedure Manual](#)
- [Illinois Traffic Monitoring Program](#)
- [Manual on Uniform Traffic Control Devices](#)
- [Oversize/Overweight Permit Policy Manual](#)
- [Project Procedures Guide](#)
- [Quality Standard for Work Zone Traffic Control Devices](#)

The Highway Manuals Sales Order Forms (Highway Manual Order Form) is available at: <http://www.dot.il.gov/desenv/orderform.html>

## NOTICE DBE FIRMS AND PROJECT GOALS

The firms noted on the List of Pre-qualified Consultants on IDOT's website ([www.dot.il.gov/desenv/pregcons.html](http://www.dot.il.gov/desenv/pregcons.html)) are firms certified as a DBE in specified areas. It is the responsibility of any prime consultant firm to go to the **Illinois Unified Certification Program** web site ([www.dot.il.gov/ucp/ucp.html](http://www.dot.il.gov/ucp/ucp.html)) to verify the subconsultant is certified as a DBE in the area of work the sub will be performing on a specific project. Only the pre-qualified areas of work the DBE firm is certified in as a DBE will be considered toward the project's DBE goal.

Each list of tasks specified on a DBE's Cost Estimate Consultant Services (CECS) will be verified for DBE certification beginning January 1, 2007.

If you have any questions on DBE certification, please contact Carol Lyle in the Office of Business and Workforce Diversity.

## **“Special Notice Regarding Disadvantaged Business Enterprises”**

The Illinois Department of Transportation (IDOT) has designated various projects advertised in the Professional Transportation Bulletin as requiring participation by Disadvantaged Business Enterprises (DBEs). As a condition for any firm to be considered for a project requiring DBE participation, it must subcontract a minimum of the designated percent to a DBE. Each firm's letter must include a statement that it intends to subcontract the designated percent to a DBE. The Exhibit A in the Statement of Interest must include the DBE Consultant and the category of work they are going to perform.

To be considered as a prime consultant or subconsultant, a DBE must be prequalified with IDOT's Division of Highways' Bureau of Design and Environment (BDE). IDOT's Bureau of Small Business Enterprises (SBE) maintains a Disadvantaged Business Enterprises Directory of certified DBEs for the purpose of providing a reference source to assist firms. You can view/print and download the most current listing of DBE firms at IDOT's web site <http://www.dot.il.gov> under “Doing Business” “Small Business Enterprises” “Disadvantaged Business Enterprises (DBE) Program/IL UCP DBE Directory.” DBE firms who are prequalified by BDE and are interested in performing consultant work are listed under the UCP Directory by Category, Architecture/Engineering Sorted by firm. Any firm desiring to subcontract work to firms that are not certified DBEs should encourage them to become certified by contacting SBE's Certification Section at (217) 782-5490.

Failure to assign at least the designated percent to one or more DBEs or to demonstrate that a good faith effort was made to assign the designated percent shall result in one of the following:

1. Notification to the prime consultant that the Agreement will not be signed until the percentage of DBE participation is met.
2. The Agreement will be signed with the understanding that payments to the prime consultant will be reduced by an amount determined by multiplying the total Agreement fee by the designated percent and subtracting the dollar value of DBE subcontracts.
3. Contract negotiations will be terminated.

Upon completion of the contract, should it be determined the prime consultant failed to assign the designated percent to an eligible DBE or demonstrated that a good faith effort was made to assign the designated percent as agreed upon, payment to the prime consultant will be reduced by the amount set forth in number 2 above.

A complaint regarding any decision rendered by or action by any Division or Office of IDOT pursuant to these requirements may be filed with the Secretary of IDOT.

Notice  
Of Requirement For  
Illinois Department of Human Rights (IDHR)  
Public Contract Number

Following selection, contract all proposal packages submitted to the Illinois Department of Transportation (IDOT) must contain the firm's IDHR number and the expiration date. The Department is required by law to require this number from all parties contracting with the State of Illinois. If your firm currently does not have an IDHR number the application form may be obtained from the following web-site [http://www.state.il.us/dhr/Programs/DHR\\_PBCT.htm](http://www.state.il.us/dhr/Programs/DHR_PBCT.htm) or may also be obtained by contacting: DHR, Public Contracts Section Public Contracts Division 100 W. Randolph, Suite 10-100 Chicago, IL 60601 or by calling: 312-814-2432 (TDD 312-263-1579)

NOTE: An IDHR public contract number is not required if the firm employs fewer than 15 employees.

Please be aware that, as of January 1, 2010, per Public Act 096-1786, all those filing for, *or renewing*, an IDHR number, will be charged a \$75.00 registration fee. Such registration will be valid for 5 years from the date of issuance.

## **Overtime Billing** **for** **Engineering Consultant Contracts**

The engineering consultant firm may bill overtime in accordance with Section 2.86 of the Standard Agreement Provisions and the following. When the employee in the same pay period, has worked on more than one project, the amount premium wages charged to a project must be in direct proportion to the total number of hours the employee worked in that pay period. (i.e. total hours worked in pay period = 50 hours (10 of which are premium hours), 25 total hours for the pay period on the project, 5 hours of overtime may be charged to the project.)



# NOTICE For Prequalification of Consultants & DBE Revisions

**Prequalification:**

As stated in each Professional Transportation Bulletin under the guidelines:

Consultant firms acting as prime must be prequalified in all of the advertised areas listed in the project advertisement even if they plan to subcontract part of the project, except where noted in a specific project advertisement. If the prime is not prequalified in the required category(s) stated in the project advertisement, that firm's Statements of Interest cannot be considered for the item.

Within the Statements of Interest (Exhibit A page 3 of 3) the prime must identify any subconsultants and the item(s) of work they will perform. Subconsultants must be prequalified in the category of work they will be performing.

Also as stated in the Standard Agreement Provisions: 2.24 SUBLETTING, ASSIGNMENT OR TRANSFER:

Subconsultants must be prequalified in accordance with the department requirements. For specialized services that are required but which do not fall into the areas of prequalification of the department, a non-prequalified firm may be used with department approval.

**DBE Participation:**

The U.S. DOT regulation, 49CFR Sec. 26.55(a), states, "When a DBE participates in a contract, you count only the value of the work actually performed by the DBE toward the DBE goals." The IDOT and U.S. DOT regulations further state:

When a DBE subcontracts part of the work its contract to another firm, the value of the subcontracted work may be counted toward DBE goals only if the DBE's subcontractor is itself a DBE. Work that a DBE subcontracts to a non-DBE firm does not count toward DBE goals.

Effective immediately all subconsultant proposals where a DBE is utilized for the main contract and it is necessary for them to obtain non professional services which would be listed as a direct cost, the amount of those services will not apply to the DBE goal. For example if a DBE geotechnical firm is being used and they use a non-DBE drilling company to do the borings, the cost for this work will not apply to the DBE goal.

However any direct costs incidental to doing the work, per diem, hotel costs etc. will still counted toward the goal.

## **NOTICE OF TRAINING OPPORTUNITY**

### **Updated 4-24-09**

#### **LAKELAND COLLEGE TRAINING COURSES**

Lakeland College will be conducting QC/QA Training again this year. Please visit the web-site for further information. Information or schedules can also be obtained by contacting Marlene Browning.

Kathy Willenborg  
Lake Land College  
5001 Lake Land Blvd.  
Mattoon, IL 61938-9336  
Phone: (217) 234-5285  
Fax: (217) 234-5381 E-Mail: [idotqcqa@lakeland.cc.il.us](mailto:idotqcqa@lakeland.cc.il.us)  
Internet Homepage: <http://www.lakeland.cc.il.us/idotqcqa>

#### **NATIONAL HIGHWAY INSTITUTE (NHI) COURSES**

The National Highway Institute (NHI) Course listing as well as other pertinent information is available at the following address:

<http://www.nhi.fhwa.dot.gov/home.asp>

#### **NATIONAL TRANSIT INSTITUTE (NTI) COURSES**

The National Transit Institute (NTI) Course listing as well as other pertinent information is available at the following address:

<http://www.ntionline.com>